

Kadlhofer
Bavaria, Munich, 16th July 1877.

thing, I shall be glad to do so. Allow
me, Dear Sir, to express in agreeable
remembrance of our interviews at Kew
and at Munich my kindest regards
for you and believe me, Dear Sir,

Yours

Wm. Kadlhofer

most truly and
affectionately Dr. L. Kadlhofer,
Prof. of Botany at the
University of Munich.

Sent specimens of them checked &

Dear Sir,

I send you my best thanks for the
kind report, you gave on my Monograph
of *Perjanina* in *Pilliman's Journal*.

I am now about to continue the publication
of my studies on the *Lapindances* and I
should like, that you could say on these
parts the same, as you said on the other
one: "Nearly all extant materials appear
to have been under the author's hand" — the
best recommendation possible, I think, of
a Monograph.

Will you then allow me to ask you
for a sample or a fragment only of some
plants, published by yourself? In most
cases one foliole and flower or fruit
will be sufficient, to enable me, to
cite your publications on the right place.

Professor Asa Gray, Esq.

I have studied all my plants microscopically,
— structure of stem, leaves etc. — and so
I am sure to recognise them by small
fragments. Can you send more, a part
of a twig with leave and inflorescence
or a full sample, the better.

The plants desiderated are the following:

Smithsonian Contrib. 1859, p. 38:

- ✓ *Laportea marginatus*
- ✓ *Urvillea mexicana* (in obs.)

Bolton Wilkes Explor. Exped., 1854, p. 247 spp.:

- Lardispermum Loreense*
- + *Pauhinia weinmanniifolia* Det. Meer.
- ✓ — *umbellata*?
- + — *barbadosensis*? Det. Remy

Phimodora racemosa

- ✓ *Laportea? vitiensis*
- *Laportea Paponaria* Forster (p. 252 in obs.)
- ✓ *Cupania lentiscripta*
- ✓ "Leafy specimen of a Laportaceous shrub" (p. 257, in obs.)
- ✓ *Cupania? Richii*
- "Laportaceous plant from Talera" (p. 257, in obs.)
- ✓ *Cupania sabrinera*
- — *Laportea virens* (p. 258 in synonymia antecedentis)
- Chaptalia Blancoi*
- Sadonina virens*?

Proc. Amer. Acad., 1862, p. 155:

✓ *Lardispermum? sp. nov.* Ly. Standus.

Besides these I shall be glad to receive any
Laportaceous plant you may think interesting
for me or of which you should like to get
any information. Of great interest should
be for me the different forms of North-
American *Laportea* in printed samples, and
any unpublished specimens of *Laportea americana*
Rafinesque. = *S. marginatus*, in obs.

Every thing, you send, shall be returned after
examination, if you mark it with "To be
returned".

I have seen plants of the U. S. Explor. Exped.
(North Pacif.) under Kiggell & Rogers, 1853-56,
sent in the year 1859 to the Paris - Museum,
but I do not know any publications of these
plants. Does there exist any?

Now, Sir, I beg you to excuse, that
I venture to disturb you of science's
sake. If I can serve you in any

Bavaria, Munich, 15. Nov. 1883.

Dear Sir,

With a speech on modern and ancient methods in systematical botany I send you my best thanks for your "contributions", which are the more precious for me, as we have acquired a great part of Schaffner's plants for the Munich-Herb. Herbarium.

In my speech you will find a note upon your *Perjanix* mistake (p. 32), of which I unfortunately was obliged to change the name. Could you send me a fragment of it?

I hope you and Prof. A. Gray will not be opponents to the contents of this speech. In regard to Prof. A. Gray, you will perhaps be kind enough to tell him, that I do not send this as well as others of my academic publications directly to him, as I trust, he will as a Member of our Academy get all these things by the Academy itself.

Believe me, Dear Sir,

Yours

most truly
L. Radtkofer

Königlicher
botanischer Garten.



München, den 11. X. 1884.

Dear Sir,

I say You my best Thanks for the various communications You have been kind enough to direct to me inclosed the last ones on Engelmann etc.

I hope You will at least now have received my "Festschrift" whose arrival was certainly only retarded by the circumstance that the parcels for America are dispatched by our Academie only in distant periods and by ^{dispatched} rare of the Smithsonian Institution.

Probably You will have got also the "Sitzungsberichte" of February 1884 with my memoir "on Forchhammeria" and an appended one "on several species of *Capparis*".

The "Denkschriften", of which You

wrote me in your last letter (Dec. 1883),
that you received them at the Day's of Martins
but not more since 1870, generally are not
communicated to the external members of
the Academie, if not to the most distin-
guished ones and on particular request.
I have given the direction to our secretary,
that you should receive them, and I
hope, he will have sent all the parts
published since 1870.

I have asked to Mr. Watson a fragment
of his "*Serjania? inflata*" (Proceed. Am. Acad. VIII,
p. 337), whose name is in collision with
Serjania inflata Poepp. I was constrained
to change in my "*Festreda*" (p. 32, Annot.)
into *Serjania cyschoriza*. Is there nothing
to be spared of it? I should be glad
to see it before returning to it and other
"studies" to the genus *Serjania* to be
published ^(as an Appendix) in the Monograph of *Taulleria*
now in preparation.

Together with the present I send you
a little pamphlet published by

the "Deutsche botanische Gesell-
schaft".

Believe me, Dear Sir,

Yours

most truly
L. Radlkofsky.

Munich 2. IX. 87.

Dear Sir,

Sending You the Supplement
of my *Lejania* - Monograph
and some other pamphlets
I give You notice, that You
will find attached to the
end of one of them the
fruit of *Lejania cystocarpa*,
for which I say You my
best thanks.

Page 138 of the Supplement You
find a remark upon Your
Uvillea dissecta, which is
a true *Cardiospermum*, *C. dis-*

sectum m.

Prof. Asa Gray, to whom
I send my best compliments
will have got these things
by our Academy.

Believe me, Dear Sir,

Yours

most truly
L. Radtkefer.

Desiderata Lignorum :

1. *Asimina triloba* Dunal.
2. *Fremontia californica* Turcz.
3. *Canotia holocantha* Torr.
4. *Ximenia americana* L.
5. *Gynura pacemiflora* L.
6. *Elifloria ligustrina* Banks.
7. *Rhynchospora patens* Smith.
8. *Schaefferia frutescens* Jacq.
9. *Ceanothus thyrsiflorus* Ecklon.
10. *Eysenhardtia orthocarpa* Wats.
11. *Dalea spinosa* Gray
12. *Olneya tesota* Gray
13. *Piscidia erythrina* L.
14. *Udrastis tinctoria* Rafinesque.
15. *Prosopis juliflora* Dec.
16. *Cercocarpus parvifolius* Nutt.
17. *Hamamelis virginica* L.
18. *Cereus giganteus* Engelm.
19. *Myrica capitata* Walter.
20. *Myrica uniflora* Wangerh.
21. *Vaccinium arboreum* Marshall.
22. *Arbutus Menziesii* Pursh.
23. *Oxydendrum arboreum* Dec.
24. *Kalmia latifolia* L.
25. *Ardisia Pickeringia* Nutt.
26. *Symplocos tinctoria* L. Hérit.
27. *Jacquinia armillaris* Jacq.
28. *Halesia tetraptera* L.
29. *Cordia Sebestena* L.
30. *Bouvieria havanensis* Merr.
31. *Ehretia elliptica* Dec.
32. *Catalpa bignonioides* Walt.
33. *Chiopsis saligna* J. Don.
34. *Crescentia cucurbitaria* L.
35. *Citharexylum villosum* Jacq.
36. *Aricennia nitida* Jacq.
37. *Pisonia obtusata* Sm.
38. *Coccoloba floridana* Meisn.
39. *Drypetes procea* Poiteau.
40. *Sebastiania lucida* Müll.
41. *Hippomane Mancinella* L.
42. *Planera aquatica* Gmel.
43. *Carya alba* Nutt.
44. *Carya agnatica* Nutt.
45. *Taxodium distichum* Rich.
46. *Sequoia gigantea* Dec.
47. *Tonga canadensis* Carr.

L. Radkoff.

Munich 11. II. 88.

Radkoper

Dear Sir,

Sending You my Index generum Sapindacearum
from the Index Durand I cannot tell You,
how much I deplore the loss of A. Gray and
how much I hope, You will replace him
for science is general and for myself par-
ticularly.

So I beg You to allow me to send You
included in this a bid of a bung, introduced
here by "The U. S. Bung M^l Co.", and to ask
You, of which wood it is? I could not
make it out, as we are very poor in North-
American wood-specimens. If You could
send us some-ones (if possible with the bark)
^{partly or early} of the plants named in the adjoined list
(extracted from Sargent's Report on the
forests of North America), we should be
very glad. I have not added the American
names as You shall know them Yourself.

Concerning those names I want to tell
You, that I have caused a certain "Larbori",

Munich, it will be very much appreciated,
as we have not got the collections of Fendler,
Wright, Parry and Palmer and not many
species of the section Acourtia besides the
plants of Schaffner, bought from Vignier.
Under these I see a Perezia ^{of Wright} Schaffneri
Gray (n. 376) and a Perezia rigida (var. longi-
folia Gray) (n. 374) which I nowhere find
published - as little as Parish n. 1035, (Californ.
determined (correctly?) as P. microphylla
Gray. Are they anywhere published and
has A. Gray anything published on Perezia
since 1886 (Proc. Am. Ac. XXI p. 393, with P.
paniculata n. sp.)?

I need not ascertains that anything
You signify as "Reminiscendum" will be
consciously sent back.

Believe me, Dear Sir,

Apr. 5/88 - sent him
a considerable number of
Perezias - copy of Gray's Manual
from them - list of them's woods
n. - perhaps 300
+ more
and more

most truly
L. Radkoper.

formerly Pharmac. Chemist, now dead,
to gather the popular names from all
books on American plants at our
hands, with indication of these books,
and that his manuscript is now in the
hands of his heirs, who, I think, should
be willing to sell it for publication.
Do you think that the Smithsonian
Institution would undertake such a
work, so expensive for a private edition?

I am preparing some further notices
on Bumelia, having seen last autumn
De Candolle's specimens at Geneva.

Also on Perezia (Conyos.) I have made
some studies at Geneva after having found
out with much trouble in the Herb. Sélesneux
the authentic specimens of Son's Acrothia
formosa, Proustia mericana, Proustia rehi-
culata etc. and after having got from Berlin
the authentic specimen of Sumerilia Hum-
boldtii Less. etc. etc.

If you can help me in these investigations
with some fragments of the plants indi-
cated in the following lines, I shall
be very much obliged to you.

Concerning Bumelia I am now quite certain
the right name for the plant of Florida (as Turbiss
n. 1765) is Bumelia angustifolia Nutt., which plant
is quite different from the West Indian B. cuneata
Sw. (B. myrsinifolia DC.) and from the West Indian
B. parvifolia DC. If the Bumelia angustifolia
Nutt. (Turbiss n. 1765) is the same as the plant
of Texas and Mexico indicated in Gray's Synop.
Flora II, p. 68 under "B. cuneata" and with
the synonyms: B. parvifolia Chapm. Fl. 275,
B. rectinata Torrey Mex. Bound. 109 I shall
only be able to tell, if you can procure me
fragments of the respective authentic
specimens and with a copy of Chapman's
description, as his book is not here.

Concerning Perezia I should like to get a
small fragment (i. capitulum and the longitudinal
half of a leaf) of Gray's species as enumerated
in Proceed. Amer. Acad. XIX, 1883, p. 58, to be
able to identify them by anatomical investi-
gation, as the descriptions will not be
sufficient to avoid errors. If you can
give more, it will certainly be better,
and if you can give any more complete
specimen for our Royal Herbarium at

Please to receive my best thanks
for the List of the Writings of the
immortal Fr. Isaac Gray with
my best compliments.

Munich 24. XII. 88.

Professor Fr. L. Radtkofer.

Nur für die Adresse.
Côté réservé à l'adresse.



Deutschland. — Allemagne.
Bayern. — Bavière.



Postkarte. — Carte postale.

Westpostverein. — Union postale universelle.



Mrs. Asa Gray

Cambridge, Massachusetts,
United States, America.

BOSTON, April 23

1888

Dr. Sereno Watson,

My dear Sir:

I received this morning your kind note and your paper on the *Rosa* genus. Thank you very very sincerely for your kindness. I think now I shall be better able to straighten out the roses in the Mt. Desert flora. I am quite sure that I have *R. lucida*, Carolina, and probably *humilis*. Mr. J. H. Redfield, however, doubts *R. Carolina*, and puts in his plea for *R. nitida*. Very likely all four species grow there.

I wish very much that I could return your kindness by giving a satisfactory answer to your inquiry. The rose you mention must have come from my father's place in Dedham about the time it was sold. I have been trying to recollect the plant, but cannot. Benj. Gray, now I think of Malden was the gardener at the time, and very possibly he may know something of it. I believe my father is now in Brazil, and I can probably find out his address for you if you think it worth while to write to him.

I am very sorry I can give you no information in this matter, but hope that sometime in future I may be able to assist you in some way.

Very sincerely yours.

Edward L. Rand.

Dr. Sereno Watson,

My dear Sir: -

Although I am well aware that the new edition of the Manual well in print by this time I take the liberty of sending you a few results of the botanical work that Mr. Redfield and I are engaged in at Mt. Desert, Me. Perhaps this coast station may be of some assistance to you in determining the distribution of some of the plants named. Specimens of all of them are in the Mt. Desert Herbarium if you care to see them.

- > Hudsonia ericoides, L. mountain summits Mt. Desert (less frequent on shore)
- > Arenaria Groenlandica, Spreng. on shores as well as mountain summits (frequent)
- > Trifolium agrarium, L. well established Mt. Desert
- > Potentilla Pennsylvanica L. Mt. Desert
- > Rubus Chamaemorus, L. Mt. Desert
- [Rosa nitida, R. lucida, R. Carolina, all abundant)
- > Sedum Rhodiola. DC. Mt. Desert
- > Rhexia Virginica, L. Mt. Desert
- > Aster Lindleyanus T & G. Mt. Desert
- > Utricularia gibba, L. Mt. Desert (F. M. Day)
- > Bartonia tenella, Muhl. mountain summit 1500 ft ! Mt. Desert
- > Corema Conradii, Torr. Mt. Desert (Redfield; Rand) Goldborough Me. (Redfield)

- ✓ *Salix balsamifera*, Barratt Mt. Desert
- ✓ *Pinus Banksiana*, Lambert. Goldborough, Me. (F.M. Day; E.L. Rand;
J. H. Redfield) Very abundant, both on Schoodic Mt.
and on low lands by the shore.
- ✓ *Spiranthes Romanzoviana*, Chénier Mt. Desert.
- ✓ *Scirpus caespitosus*, L. Mt. Desert. on mountain summit, and more abundant by shore.
- ✓ *Carex* [our rarest and best species already noted by Prof. Bailey.]

Yours Truly

Edward L. Rand

My dear Dr. Watson,

I am exceedingly obliged to you for your kind note regarding the Mt. Desert Glyceria or rather Puccinellia. Glad as I am to know what to call it, - for I confess I could not make it agree with either *G. maritima* or *G. distans* to my satisfaction, - I am more glad if it has been any help at all to you to have the specimen. If I have any other plants in the Mt. Desert Herbarium that you care in the least to see I shall always be glad to bring or send them to you.

In regard to *Rosa Watsoniana*, of which we spoke when I saw you last. - If you care to write to my father on the subject address Edward L. Rand Jr. Para, Brazil. But if you do so will you please not mention me in any way? I ask this for unfortunate family reasons that must make us strangers. I know you will respect their request and this confidence, for I wish to aid you in this matter as far as I can.

Thanking you again for your kindness, I am

Very sincerely yours

Edward L. Rand.

To
Dr. Sereno Watson
Cambridge, Mass.

BOSTON, February 4

1891

My dear Dr. Watson,

I have in mind that you once wrote to me that you would be glad to receive Mt. Desert mosses. If this is so, would you like a set of *Sphagnum* of between 40 and 50 species, varieties, and forms, named by Dr. Warnstorf? Perhaps you may find the collection interesting even if some of the specimens are not very satisfactory. Edwin Faxon has sent numbered specimens of all to Dr. Warnstorf, and the names given are those returned. Most of them appear in the late papers in the Botanical Gazette, but some are of later date, apparently.

It has been somewhat difficult to make up sets from the material left after supplying Dr. Warnstorf and the Mt. Desert Herbarium, and of course none of these sets are complete. I have only made two or three, and should like you to have one of them, if you care for it.

Very sincerely yours

Edward L. Rand.

BOSTON, Feb. 6th

1891

Dear Dr. Watson,

I am glad you care to have the Sphagnum mosses from Mt. Desert, for I am very glad to send them. I think Mr. Faxon is more to be thanked than I am, for a large number of the specimens were collected by him, and I should have done little without his advice and help.

As I told you, the specimens were named by Dr. Warnstorf, and are named according to his articles in the Botanical Gazette. Some new varieties appear, apparently founded on specimens received since the articles were written, and one species, S. Garberi has received recognition denied to it in the articles.

The set I send includes all species, varieties, and forms found thus far at Mt. Desert with the exception of about fifteen varieties and forms that I cannot at present supply. These I have kept a note of, and hope to be able to send them to you at some future time, as well as better specimens of some of those at present sent.

I do not yet know what we have of the other mosses, but if I can, now or at any future time, I shall certainly send you what our Herbarium can spare.

Very sincerely yours
Edward L. Rand.

Cambridge

March 4th 1895-

My dear Mrs. Gray,

I have had a note from Miss Redfield today telling me that neither she nor her Mother suffered from the exposure on Saturday. I know you will be as glad as I to hear this.

It is sad to think how empty their home will seem to them now, and how brave their hearts must be to bear the loneliness. Yet I cannot help feeling that he will be very near them in that home, and that a great and blessed comfort will come to them.

Very sincerely yours
Edward L. Rand.

PARÁ, BRAZIL, NOVEMBER 25 1889

SKENE WATSON ESQ.

CAMBRIDGE, MASS.

MY DEAR SIR,

I HAVE YOUR FAVOR OF OCTOBER 25 WITH SPECIMEN OF ROSE ENCLOSED, CONCERNING WHICH YOU REQUEST INFORMATION.

I REGRET THAT I CANNOT HELP YOU. THE PLANT SEEMS FAMILIAR TO ME, BUT, RACK MY BRAINS AS I MAY, I CAN RECALL NOTHING CONCERNING IT.

I MAY HAVE HAD IT IN MY GREEN HOUSE IN TIMES PAST, AS AT ONE TIME I RECEIVED FROM MANY SOURCES QUANTITIES OF NEW SEEDS AND RAISED MANY PLANTS WHICH I DISTRIBUTED IN EVERY DIRECTION.

OF ONE THING, HOWEVER, I CAN ASSURE YOU THAT, IF IT CAME THROUGH ME, IT DID NOT COME FROM JAPAN, FOR I NEVER AT ANY TIME RECEIVED SEEDS OR PLANTS FROM THAT COUNTRY.

I REMEMBER RECEIVING AT ONE TIME A NUMBER OF ODD PLANTS FROM A LADY IN CENTRAL NEW YORK AND AMONG THEM WAS A ROSE WITH A FINE LEAF AND, IF I REMEMBER RIGHTLY SMALL WHITE FLOWERS, BUT WHENCE SHE OBTAINED IT I CANNOT SAY. SHE WAS FAMOUS FOR ODD PLANTS WHICH NO ONE ELSE HAD. HER ADDRESS WAS MRS JUDGE MOSELEY (HUSBAND'S NAME DANIEL T.) SKANEATELES. NEW YORK. I CANNOT, HOWEVER, TELL WHETHER SHE IS NOW LIVING, FOR I HAVE NOT HEARD FROM HER FOR AT LEAST FIFTEEN YEARS.

I RE-ENCLOSE YOU THE SPECIMEN AS IT MAY BE OF USE.

SORRY I AM THAT I CAN GIVE YOU NO BETTER INFORMATION

I REMAIN

SINCERELY YOURS

PARÁ, BRAZIL
CAIXA NO CORREIO 151.

Edw. S. Moseley Jr.

San Francisco Cal =

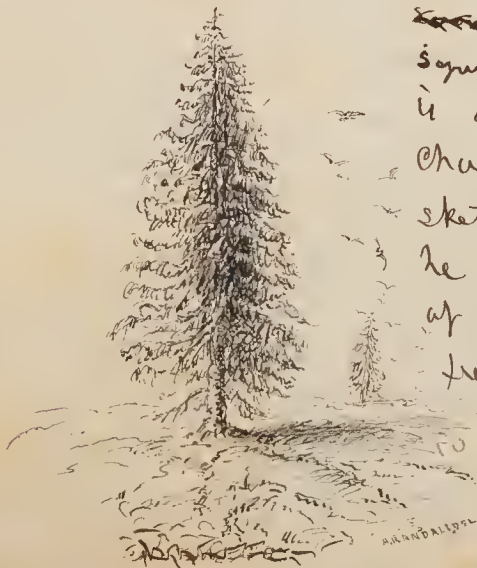
Feb = 28th 1883

Dr Gray

Dear Sir

About a month since I sent by Gauguin
Espey, specimens of the ^{fruit} fatness, fruit and wood, of a tree
which I have supposed to be a species of Podocarpus. The
tree grows most abundant in deep canyons by ^{spring} ~~water~~
~~water~~, generally ~~where~~ found in steep rocky shady
hill sides and close to the water, it grows to a large
tree 2 to 3 feet in diameter, and I think to a 150 feet in
height, 25 to 100 feet was common - It is not abundant, so
far Honey only been observed in the vicinity of
the north and middle forks of the American river
and some of their tributaries, in El Dorado County in
this state, The fruit is not produced in abundance, and

~~was~~ destroyed by a species of
squirrel as soon as ripe, it
is a handsome tree, its general
character you will see by the
sketch, and for ornament would
be an acquisition, of the value
of its timber you can judge ~~from~~
from the staves sent, so far it
has never been appropriated
to any use, there having
been no occasion for it,
Wm



I should be pleased to send you any specimens that I may have of Californian plants that may be desirable to you. I have in my herbarium about 400 species, which I should think is not more than one half ~~of~~ the number I have seen, and probably not over $\frac{1}{5}$ perhaps $\frac{1}{10}$ of the plants of the country. I have also about 280 species of Oregon plants, some of which no doubt exist in California.

My collections of the trees is quite complete, particularly so of the Coniferae, comparing the latter or cone bearing trees, with those of Chili and Patagonia within the limits or some degrees of latitude, I find there are 9 to 6 of Genera and 17 to 6 of species. I had formerly intended a memoir on the Trees of this Coast having ^{behind} more personal knowledge in regard to them than any other person, - but my many other engagements will perhaps prevent it.

I intend to have a complete collection made of the plants growing on my Ranch Punta de los Reyes which extends along the coast some 25 miles, which will

exhibit the Vegetation from the level of the Sea to about the Height of 2000 feet, in latitudes about 38° .

If the specimens I sent you should prove to be a new species of which I have no doubt, I hope you will at once describe it, as specimens have been sent to England within the last few months. I first observed it, in the fall of 1851.

You will please excuse this scrawl for it has been written, amid the pressure of business, with a dozen interruptions - I send a sketch of Punto de los Reyes which I find in a paper, shall be pleased to hear from you

It would like a list of all the Works that treat of the Botany of California, should be pleased to see any thing having been published giving a summary of the progress of the science, the last few years, we have no Books here on science.

Dear A. T. Servant

A. Randall

From
California

San Francisco
July 6, 1878.

Dear Doctor Gray, — I
send with this a small
package of plants with
tickets numbered to cor-
respond. I was obliged
to confine my vacation work
to Humboldt and Mendocino
Counties. I could not start
north before the 6th of June
when I went by steamer
to Eureka. The expressman
failed to deliver camp equip-
age on board the boat so
I was obliged to work in
the vicinity of Eureka until
the next boat arrived June
13th. This delay shortened
my time so much that I
gave up the original plan

and attempted only an
exploration of the northern
part of Humboldt Co. I
traveled a trail to near the
mouth of the Trinity River,
thence up the Trinity to
a point about twenty
miles above Hoopa Valley.
There I took an old Indian
trail across the mountains
to Mad River. Upon my
return to Eureka I exchanged
pack saddle for ~~the~~ other kind
and rode at the rate of
thirty six miles a day to
Coquille in Sonoma Co.
As soon as possible I shall
send you duplicates of all
the plants which could pos-
sibly interest you. Some
of those which I now send
are at least new to Cal-
ifornia. I found the

journey, ~~a~~ very instructive
and interesting one more
than one way.

In haste.

J. Rattan.

San Francisco Cal.,
Sept. 14, 1878 -

Dear Dr. Gray,

Your
favours of the 28th & 30th
ult. together with Flora and
"Forest Geography" arrived here
the same day.

I am quite sure I
brought home two specimens
of the *Newberrya spicata*
but I cannot find the
one which I retained.
I collected more of it, but
one day ^{when} I had my plants
spread out in papers to dry
a sudden breeze emptied many
of ~~them~~ plants upon the ground,
where the brown parasites were
not easily seen among the dry
leaves. I afterwards missed

a number of specimens.

Newberrya congesta I found associated with Monotropa ~~on~~ in a forest of Douglas Spruce near the North Fork of Mad River. N. spicata was found on a similar situation (at least 1000 ft. above the river) ten or fifteen miles farther east. I collected all I found of both species, viz: five specimens of the first and four or five of the second. I found N. spicata associated with Boschniakia and Pyrola aphylla (?), which last I send.

Grateful for your assistance

I am yours
J. R. Rattan.

afford to do it. I was the most interested but least competent of the local botanists. I could think of but two at all likely to undertake the work, viz: Dr. Kellogg and Prof. Bolander. During the last three years I have frequently talked with the latter about it and he assured me that Kellogg would do nothing but held out the hope that he would himself prepare a botany when his term of office as Supt. of Schools should expire. Last December Bolander emigrated to Central America, and in sheer desperation I began the work of culling from the Report on California Botany all

San Francisco, Cal.,
Apr. 24, 1879.

Dear Dr. Gray, — I intend to revisit the north-west part of this state next June. I hope to reach the Siskiyou Mountains after going over the most interesting ground traversed last year. I shall endeavor to secure good and numerous specimens of all the new plants found last year as well as of those I may find this year. With a better knowledge of how to follow the intricate and obscure trails of that wild region I shall be able to accomplish more than I did

last year. If you have any advice to give I shall be glad to follow it.

I have delayed apologizing for attempting a local flora — which act was confessed by sending you a little book — because I have felt that the first word of any working botanist would be, "Presumption!" I felt that I would rank as a very small Prof. Wood in your estimation, and I would prefer to be considered a small plant collector ^{who loves} nature and wildness rather than cheap notoriety. I have each year over five hundred pupils studying botany — girls who, as a rule,

become only enough interested to study the plants remarkable for their beauty. "How Plants Grow" guides them in acquiring a general knowledge of plant structure and growth. You realize the value to them of a book describing the wild flowers which ~~are~~ sent in from the country and examined daily in the classes. The bulky and too expensive volume of the Survey could not be used. I felt that we could not look for work meeting our wants from any eastern botanist, since neither honor nor profit could accrue. Only some one interested in the spread of botanical knowledge among the young people here could

that I thought would be useful
to my classes. I did not
confer with Dr. K. because
he had expressed himself as
much displeased with me on
account of my sending plants
to you instead of giving them
to him for determination. I
have since learned that he
is assisting Dr. Gibbons in the
preparation of a California Bot-
any. I am, therefore, sorry that
I have undertaken the work,
But, as it is, I shall do the
best possible for my publishers.
I used the "Report" unhesitating-
ly, because any interest awaken-
ed by the use of the local work
must increase the sale of its

source. -- Proof sheets read
after midnight explains the
typographical errors.

Hoping that you may
have health and strength to
complete and enjoy some of
the fruits of your great work
I remain yours.

J. V. Rattan.

forests which mantle the snow covered peaks farther south. I found *Phlox adsurgens* on a ridge south of Martin's Ferry. It next appeared twenty miles below Happy Camp growing low down, even along the river banks. Along Indian Creek it is associated with *P. speciosa*, Pursh. and *Linnaea borealis*. *Silene campanulata* and *S. Hookeri* grow in great abundance along the Klamath. *S. antirrhina* is common. *Boschniakia* is very common. The Indians call it "The Squirrel's Grandfather". I found *Sarcodes* near the Siskiyou Summit. On the Illinois River I found four *Darlingtonia* bogs, and on Smith River one which cannot be more

San Francisco, Cal.,
July 18, 1879.

Dear Dr. Gray, — In the first place, I must apologize for so long delaying to express my thanks for your kind letter of May the 2nd. I cannot tell how grateful I am for your offer of assistance. Of course, I very much want the *Compositae* put in easy shape, and the *Umbelliferae*, as well as well as any thing else that will make the book more useful to my pupils. Emboldened by your generosity, I shall ask of Prof. Watson the help with the *Umbelliferae* which you think he might be willing to give.

I spent three weeks botanizing this year; during which time I traveled on foot over 370 miles of very rough mountain trails. The points in my route indicated on the map are Eureka, Arcata, Camp Garcon (in Hoopa Valley), Martin's Ferry, Orleans Bar, Happy Camp, Waldo (Oregon) Crescent City, Gold Bluffs, Trinidad, Arcata. I went to Hoopa Valley by a trail lying between the two taken last year and thus did not revisit the localities where I found the Newbryas last year. I wanted very much to cross the Siskiyou Mts. by a trail which leaves the Klamath near Cottage Grove, but an old "packer" who lives at the Grove said it would

probably be impossible for me to follow the trail on account of snow, and that especially since I was alone, it would be a dangerous undertaking to attempt that route to Crescent City. I, therefore, went up the Klamath to Happy Camp and crossed the Mountains by the trail that Brewer and King took in 1863. From Waldo I traveled a trail which lies south of the wagon road and thus saw more of the Illinois and Smith Rivers than Brewer did, but the forest trees were like the dwarfs on the old road; so I had no means of learning any thing new about the possible pine that grow in the dark

Polander intends to make
Guatemala his permanent
home.

When may we expect
another volume of your
North American Flora?

Could you send me un-
bound sheets of the second
volume of the California Bot.
any in advance of the publica-
tion? I would willingly
pay as much as for the
bound volume for the sake
of getting the book a little
sooner.

Gratefully Yours.

V. W. Hatt.

than ten miles in a straight
line from the ocean. Between
the Illinois and Smith Rivers
the trail lies for several miles
along a rocky ridge which
is probably over 3000 ft. above
the ocean. Here in a red clay
soil grows the dwarfed lily
(No. 13-) bulbs of which I have
sent in a package separate
from the other plants. Lower
down, near the Smith River, I
found specimens, evidently of
the same lily, with stems two
feet long. *Viola lobata* is
common from 25 ms. below
Happy Camp to Maldo. I
found little of interest along
the coast from Crescent City
to Trinidad. i.e., in the way
of plants. The Pacific has
made some very interesting sec-

tions of the rocks. Upon my return to Humboldt Bay I revisited Knuland's Prairie and Humboldt Ridge, something more than twenty miles by road S.E. of Eureka. I found the new *Pentstemon* confined to a locality in the spruce forest near the Prairie. Last year's specimens were from an opening in the timber where I was not able to find a single plant this year. It seems to belong in the shade where the flowers are of a pinkish purple varying to bluish purple. The inflorescence ^{and lower lvs.} clammy pubescent. Sterile filaments ^{etc.} always heavily bearded but the hairs are easily rubbed off when the plants are shaken

about in a plant case. Damp weather made it difficult to dry the specimens properly. I have not had time to attempt the determination of anything and therefore send the plants with such names as I think belong to them. My school work is driving me just now in the direction of physical experiments rather than to the examination of plants. But I shall soon have my work in hand so that I can devote a couple of hours daily to botany, and more after a while. I am sorry I could not have sent you better specimens and more satisfactory notes. May I do better next time.

San Francisco,
July 3, 1882.

Dear Dr. Gray, - I have
just returned from a brief
botanical excursion through
Humboldt and Mendocino
Counties. Want of time
kept me from visiting
the habitats of Newberrya
and the new Collinsias.

Most of the plants sent
in the package accompanying
this note will I think be
of interest as showing unusual
size, ^{or} form, or new habitat.
The new cruciferous plant ^(No. 2) is
growing but three miles from
the home of Pentstemon Patton.
I was unable to find any good flowers.
Thysanocarpus (No. 3) has the fruit hairs
less distinctly hooked than *T. pusillus*.

in its common form and the fruit is larger. *Fragaria* (No. 7.) is remarkable for size and the frequently crenate petals. Of No. 10 I send as old fruit as I could find. No. 13 I have found in Alameda County always ^{dwarfed} ~~prostrate~~ and often covering a square yard [one plant]. The *Silene androsacea*, var. grows most luxuriantly on nearly all the high prairies of Humboldt Co. No. 24 (*Urtica Bolanderi*?) is more than "viscid pubescent"; its excessive stickiness is not equaled by any other tarweed. I particularly wish a close examination of No. 25. Through all the immediate coast forests of Humboldt and Del Norte counties from the level of the ocean up to 2000 ft. it presents the form shown in the specimens which I send. You see I have found *Sistrum cordata* far within our state boundary. I enclose (as No. 31) proof of a new habitat for *Aemulacladus*.

Sickness and death in my family kept me at home during the summer vacation of 1880 and 1881 otherwise I should have explored many unvisited mountains of the N.W. Counties of the state.

If convenient, please send your Botanical Contributions for 1880-1.

Respectfully yours.

J. Hallan.

San Francisco,
May 12, 1883.

Dear Dr. Gray, - I send with
this note the Downingia of
which I spoke when I
called upon you. With it
you will find other forms of
that genus, Gilia, Minulus
tricolor, Laurentia and Pecto-
carya.

Downingia No. 1 is ~~most mark-~~
~~ed~~ distinguished from the
other forms by -

A pair of erect teeth at the base of
the flat lower lip; anther append-
ages usually sharply reflexed, uni-
ted to near the base (by twisting?),
about as long as the anthers.

I have before sent you
the other forms except No's.

2 & 3. No. 2 I found in a swamp
in the Red Woods of Mendocino
Co. Is No. 2 *Downingia pulchella*?
No. 4 has a concave lower lip.
The "Live Oaks" specimens (No. 1)
I saw in bud in March grow-
ing in a "waterhole" of the Live
Oaks near the Makelumne Riv.
About Apr. 20th. a boy collected the
specimens. Sticking to one of them
was the Little *Laurentia* in
fruit. The calyx is very small
which makes me anxious to
catch it in blossom next year.

The *Gilias* I found grow-
ing together and very abun-
dant on the mountains north
of Clear Lake last June.

The long tube of the corolla
and the less diffuse habit
of No. 2 seems to separate it
from No. 1 (*Gilia Bolanderi*?)

I hope the good specimens of *Minulius tricolor* from the Live Oaks of the Mokelumne River — (always in the beds of dried up "water-holes") will be acceptable.

I send the *Pectocarya* because last year you gave me the name *P. pumiliata* for No. 1 from Mendocino Co. Now I am in doubt about No. 2 from the grain fields of the Mokelumne River, since I had referred it to the same species, and it evidently is not the same.

Greene makes a new species of the yellow flowered *Oenothera* specimens - of which I sent you in 1879. Unless my memory is at fault, *Oenothera*

with white flowers as large
as the yellow flowered var-
iety is not uncommon
in North Humboldt and
Del Norte Counties. At
least the flowers are much
larger there than in Marin
County.

Please send your last
"Contributions to W. A. Bolander"

In conclusion I must
express my thanks for your
kindness in the past.

I trust you and Mrs.
Gray have arrived at
home without mishap.

Yours truly

J. P. Allan.

of San Jose. It fairly covered
the ground many acres in
extent.

I have to thank
Prof. Watson for his last
"Contributions to N. A. Botany".
Yours containing revision
of Ranunculus I have
not received.

Hoping that this will
find you in good health,
I remain

Yours truly,

J. H. Allan.

Dunn

San Francisco, Cal.,
June 21, 1886.

Dear Dr. Gray, -

I could
not afford the time and
expense of an extended bot-
anizing excursion this year
but managed to get a pup
at the Monte Diablo plants
last week. The best find
was a little annual Pam-
panula which I have
ventured to describe for pub-
lication in Coulter's Gazette
under the name C. githop^{oxy}-idea
idea (which is rather awkward,
but all the most appropriate names
seem to be already applied in
that large genus). Its most
conspicuous features seem to be
its divaricate, or rather, divergent

branches, erect flowers and the 10-ribbed capsule unciolate by a constriction above the middle and enmounded by the usually strongly connivent sepals. I could find no fruit old enough to ~~detonate~~ dehisce in the field but ~~while~~ ^{while} drying many capsules have opened by 3 valvular pores, emitting oblong, smooth, shining seeds. It grows close to the signal station of the Coast Survey on the very summit of Monte Diablo. *Peoralea californica* is quite common near the summit: rootstock erect, fusiform, an inch or less in diameter. *Collinsia tinctoria* grows on the south slope below the spring. *Mentzelia micrantha* and *Delphinium Californicum* are common near the summit.

I enclose what may be *Gilia aurea*, var. *decora* from Oak Hill 4 miles south
= *G. antipes*, call it,

// This farther concerning the Campanula 3

Since writing the above Mrs. Curran
has found this interesting species
(July 3) in fruit on Mt. Tamalpais.
Some of her specimens are 8 inches high
and the few remaining flowers ^{are} smaller
and deeper colored. The mature capsules
are nearly triangular-obovoid; dehiscing
above the middle by 3 upturning valves; seeds
very smooth and shining, oblong-oval.

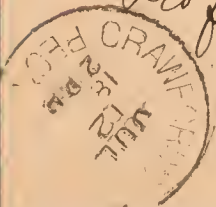
Rattan.

UNITED STATES
POSTAL CARD

Nothing but the address to be on this side.



Prof. J. M. Coulter,
Wabash College —
Crawfordsville,
Indiana.



San Francisco,
July 7, 1886.

Dear Dr. Gray, -

Acting upon your suggestion, I sent a note to Coulter yesterday asking that he change the specific name of the new *Campanula* to exigua in case the description was not already in print. Hardly was this note posted when Mrs. Curran called with a specimen (here enclosed) which she found on Mt. Tamalpais (only ten miles from the city in Marin Co.) She says some of her specimens are eight inches high, the few remaining flowers smaller and deeper colored. She also

brought a specimen of Mimulus
Pattani from the same
locality. Here have we
lived these many years
(Kellogg, Bolander et al.)
and these two plants blooming
annually ^{unseen} under our noses,
as it were!! For myself,
I have only to say that I
have never climbed Tamala
pais at this time of the
year, and my visit to
Monte Diablo last June
was, with the exception of
one made in December, my
only visit to that locality.
But I ought to have climbed
those peaks each month in the year.

It was very kind of you
to say that I might have the
honor of naming the new
Gilia. The name proposed

Campanula ^{*exigua*} ~~*githopsidea*~~, n. sp. Annual, 2 to 5-
inches high, branching divergently, or rarely simple; the
stems often angular by decurrent ridges from the bases of
the leaves; the entire plant, or often only the base, some-
what retrorsely hispidulous: leaves sessile, 2 or 3 lines long,
linear-lanceolate or broader, sometimes obovate, entire or a
few with coarse teeth: flowers erect, terminating the slender
branches, or on rather stout bractless peduncles: calyx-lobes
equalling the tube of the campanulate corolla or shorter,
becoming connivent; the tube in fruit distinctly 10-ribbed
and constricted above the middle forming a somewhat
unilocular capsule which ~~dehiscens~~ is dehiscent ~~by~~ at the
constriction by three holes: corolla light blue, 3 to 5 lines
long, the acute lobes shorter than the tube: filaments
shorter than the anthers, abruptly expanding near the mid-
dle into a broad ciliolate base: style not surpassing the
corolla, stigmas 3, expanding after the corolla withers:
seeds oblong, smooth and shining. — Collected by the
writer on the very summit of Monte Diablo, June 14, 1886.
Nolney Rattan.

He hit up,
he
Coulter
Spencer

A new Cambridge -

about 1500 species to be thus
characterized on about 100 pages.
My principal object is to have
the keys tested before incor-
porating them in a school flora
for the region named. Bound
with the very imperfect little Flora
this set of keys will help pupils
in our schools until something
better can be prepared. And
this is schoolmaster's work
too. I often tire of it and
wish that I might feel at liberty
to do some real botanical work.
But I am a schoolmaster,
and I must remain a sort
of connecting link between Bot-
anists and those who may
possibly become botanists, or
at least become ^{able to} appreciate
Botanists' work.

Yours truly J. H. Rollan.

San Francisco,
Oct. 18, 1886.

Dear Dr. Gray:— Your letter
of the 9th. came this morning.
I did not receive any
character descriptive of Gilia
ambigua from you. I
enclose your last letter
concerning the two plants. It
is a reply to a letter in which
I stated that Mrs. Curran had
found Campanula exigua
and Minulus Rattooni
on the Summit of Mt.
Tamalpais—both in fruit.
I enclosed specimens ^{of these two,} and
a very brief description of
Gilia ambigua. Prof. Coulter
wrote me that my description

of the new Campanulas would appear in the August number of the Gazette. Why it has not yet appeared, I do not know.

I do not think it possible that the *Gilia* can be a cross. There were several acres on each ^{rod} square ~~yard~~ of which from several to hundreds of the plants grew, often covering the ground. The only other *Gilia* seen in or near that locality was *G. dichotoma*.

You kindly ask "What have you been doing all the latter part of the summer?"

I have been at school-master's work, teaching physics and Zoology, work which occupies not only the five school hours of each of

five days ^{of the week} but two or three more devoted to preparation of experiments, specimens etc. As far as possible I arrange to have my class study directly the workings of physical laws; and animals themselves, rather than books about animals. All my spare time has been given to preparing a key to the orders genera and species of Pacific coast plants growing between the ^{crest of the} Sierra Nevada and Cascade Range and the ocean from San Diego to Puget Sound. It will be a sort of description catalogue with keys leading to one-line descriptions of the species. The Compositae and most of the Apetalae with grasses sedges etc. will be omitted, leaving

in colour & form.

We found our children well, & it is very pleasant to be at home again - still I look back with something of regret to the pleasures without - cares of our American tour - & to all the kindness shown us there & especially at Cambridge Mass.

Will you remember me kindly to Mr. Gray - I hope she is better than she was 3 weeks ago.

Y^r very truly
May 1874

Derling Place,
Wingham,
Essex.

Nov. 14th

Dear J. Gray

We have not home after all before the plants & acorns you kindly gave me. We got here on the 11th & they appeared on the 12th. I am sorry to say the maples, packed in paper, arrived so dry that the gardener has very little hope of their surviving - but the Myrica packed with moss in a tin box with the arrived in excellent condition & I hope some of the acorns

will do their duty - but
a number of them had
worms in them, which
have eaten their way
out on the voyage - leaving
but dust behind them!

I have mentioned this last
in case you have more
of the acorns, which might
have been planted before
you knew of their condition.
I thought also it might
be useful to you to know
how long the things took, &
how they travelled - though
after all I dare say you

are too much in the habit
of sending things to England
to want any information
of the kind.

The gardener tells me that
the ^{our} scarlet oak seedlings
from acorns brought over
here, turned a beautiful
colour this autumn, but
that the first lot turned
the scarlet to a dark
brown. They are certainly
not the kind that turns
the best colour with you
for the leaves are not nearly
so deeply cut. I look confidently
to your acorns to outdo them

Lady Ruxford

TERLING PLACE,

WITHAM, ESSEX.

Dec 19

Dear J. D. Gray

It is too kind
of you to have sent us
some more acorns &
maples & myrtles. They
arrived in first rate
condition - & were received
with enthusiasm. Only
4 acorns this time had
been attached with pins
so that we may look forward
to an American forest.

It never occurred to me to
hope you would send
more.

I do not think our slow
English brains easily
imagine how much trouble
our American friends will
take for us - but at any
rate we appreciate it.

I have not yet found
the names of most of
the ~~of~~ trees & shrubs we
made a list of, in Murray
Gardener's catalogues, - but
I shall keep a look out
for them.

I wish we had been
for another month, with
you - our visit was so
short - that I fear my

recollections will be
rather mixed.

We are very busy just
now with a Xmas tree
for 200 village school-
children. My children
dance round in wild
delight, & kinder under
pretence of helping with
the decorations.

Please remember us both
kindly to Mr. Gray.
Believe me

Y^{rs} very sincerely

Mayfield

Lord Rayleigh

TERLING PLACE,

WITHAM, ESSEX.

May 26/84

Dear Dr. Frazer,

If you are not
overdone with
travelling English
men, allow me
to commend to
your notice Mr.
H. Cust, a Cam-

birds (Eng.!)
friend of mine,
whom I think
you will find
agreeable.

Is there any
chance of our
seeing you over
here? If so, I
hope you will

let us know in
good time. Lady
Rasleigh would
~~never~~ enjoy nothing
so much as a
consultation
with you as
to flowers &
shrubs.

Believe me,
y^r very truly
Rasleigh

St John (Berkeley) Parish. Charleston Dist. SC.

[Sept 7. 1846]

Dear Sir

I received your favour of the 26th ult a few days since & also a copy of "Wiley & Putnam's literary news letter" containing a notice of your intended publication - By the mail to day I received a copy of Sullivan's "Musci Alleghanienses", for which I presume I am indebted to you, & for which you will please accept my thanks. I had seen your notice of it in a late number of Silliman's journal & had desired very much to obtain a copy. I am now putting up a set of Plants to be sent to you with my catalogue - I shall delay sending them until the end of October, as I hope to add some more of the Compositae to my collection. I will also send you specimens of the Musci, Lichenes, Hepaticae & Fungi that I may be able to collect. Our Fungi are very numerous, but I have met with difficulty in preserving them & determining species - I have seen no works on the subject except Eaters Botany & that is so unsatisfactory that I have been able to determine but few species - I have preserved forms of Agaricus, Boletus Polyporus & some others of the junior Fungi specimens of which I will send to you.

It will give me pleasure to send an specimen of our mosses to Mr Sullivan as soon as I shall have collected a sufficient number, & also to receive other

in exchange

The Flora of this section of Country has been well investigated by Walter & Macbride. Walter lived on the banks of the Santa when the present Santa canal now enters that river & the site of his "garden" is yet to be seen, where, as he says "Plurimas quas designavit plantas, suo in horto diu coluit." Macbride was a practicing physician in this neighborhood for several years, where he collected largely & assisted in furnishing Elliott with material for the publication of his "Sketches".

Although a level country the soil is very much diversified & the Flora is strongly characteristic of its geological features. We have the dry Pine barren, sandy & sterile — the flat Pine land with a dark coloured soil, showing the presence of vegetable matter but which from the action of Tannin or some other antiseptic matter, remains undecomposed & renders the soil unproductive — the dry oak lands which are very fertile & where the cotton is planted — & lastly the large swamps mostly covered with their virgin forests, portions of which were formerly cleared & cultivated in Rice — There are here in a great measure, their peculiar Flora —

Yours very respectfully
J. H. Rarick
Sept 7th 1846

Black Oak St
Sept 9th

10

Prof. Asa Gray M. D.
Cambridge
Mass.



St Johns (Berkeley) Cal. }
March 19th 1847 }

My Dear Sir

In your last letter
to me of Dec 23^d, you mentioned that
you had overlooked my plants &
would shortly send on those "to
be named & returned" -

May I request you to do so as soon
as you can conveniently - My reason
for troubling you with such a request
is this - My friend Porcher has
lately graduated in the medical
College of Charleston, & his Thesis
was the one selected by the Faculty
for publication - His subject is
"A medico-botanical catalogue
of the Plants & Ferns of St Johns (Berkeley)"
Living in the same neighborhood & collect-
ing with me for the past two years,
our collections are very nearly the same

He has also used my catalogue to add the grasses & many other plants which he had not seen - His catalogue will therefore comprise all that we have collected up to the present time - Doubtless there are many other plants still to be added -

Hence you will see the necessity of having it as full & accurate as possible - The doubtful plants not on to you to be named, it is very desirable should be embodied in the catalogue - Should you not have the collection ready to be sent, could you not send me a memorandum of the changes you have made in my nomenclature & of the names of all those sent with blank tickets?

The journal in which it is to be published will be issued next month & Poncher is very anxious to have the names in time for the publication.

Knowing that your time is fully occupied, I trust you will

pardon me for troubling you with this matter -

Whilst with my pen in hand I will mention what I should have done in my last letter with respect to a written correspondence for the exchange of Plants - Expecting to collect largely the coming season, I hope to be able to supply both Baker & Olney with our southern Plants - If they are both desirous of exchanging I will make up packages for them in the course of the summer -

Can I ~~be~~ ~~be~~ be of any assistance to you in collecting seeds & pericarps of our Plants for your "illustrated Genera" - I have commenced to collect them for my own herbarium & it would cost but little trouble to procure duplicates - If so you may indicate such as are desirable
I am very respectfully
R. H. Renwick

My Dear Sir

I acknowledge the receipt of yours of the 10th ult. - It would have given me pleasure to supply you with the *Aspidocroton* mentioned in your letter, but a man unpropitiously chosen, could not I suppose, have been selected, than to present for the last hundred years - We were visited on the 15th ult. with a storm of sleet & snow, the heaviest that has fallen for 80 or 10 years, the thermometer on the following morning going down to 27° Far. - Having had an unusually early Spring, vegetation was far advanced - At present the woods have more the appearance of autumn than Spring -

Many trees have been totally killed - some have had only the young wood destroyed & are pushing ~~tendrils~~ ^{new wood} through the lower undecomposed buds of former years

I have 5 or 6 Tulip trees (*Liriodendron*) in my ground, 3 feet & upwards in diameter, which were in full foliage & flower, which I fear are killed -

Of your list I may be able to procure *Magnolia grandifolia*, *Zanthoxylum Canadense* & *Gordonia lasiocarpa* in fruit - The rest have been destroyed as to flower & fruit, but the wood may be procured -

Pinckneya pubes does not grow near me, nor *Asarum* ~~flavum~~ -

I received safely the copy of Planten Fendh. sent by mail - many thanks for your attention -

I hope you have received ^{a box} which I sent to Charleston some time since, to be forwarded to you -

You will find good specimens of *Carya argentea* with fruit from the Bot. garden - I found several trees growing in our large unclaimed swamp - I had intended this spring to examine the fruit carefully, but all has been destroyed - There are other things in the box which I hope you will find interesting

Rudbeckia? Porteri, I found growing abundantly on Stone Mt Ga & no where else in the neighborhood. Can this can hardly be the same locality as Dr Porter's "Rock Mt" The other is known by that name & on the Georgia maps; & is a famous station on the Georgia rail road - It is now called Rock Mountain -

Stone Mountain stands a solitary granite peak in a comparatively level country - If this thing is found by subsequent investigations to be confined to such localities, may it not indicate some centre of ancient vegetation, to which these things have clung as for preserving the conditions most favorable to them?

I found there also, & no where else the *Quercus* which is probably a new species - a new var. of *Hypericum prolificum* - & a new section *Cladonia Georgianus* Tuck. ^{ind}

All facts of this kind are interesting as tending to elucidate the principles of geographical distribution

Have you seen my *Eryngia* or examined yet?

Very respectfully
A. W. Kew

May 4th 1849

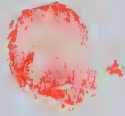
Talking of geographical distribution - I have been amusing myself this winter at leisure times in looking over my species of Phanerogams, collected here in the vicinity of the Santa Canal, mostly in a range of 5 or 6 miles, & have made out the following table, which I transcribe simply as a matter of fact which may be of some interest hereafter

Nat. order		gen.	sp.	Nat. order		gen.	sp.
Ranunculaceae				Magnoliaceae			
5 genera - 10 species				2 genera - 3 sp.			

Black Oak S.C.
5th May

10

Prof. Asa Grey M. D.
Cambridge
Mass.



April 2nd 1832

My dear Sir

It is my intention shortly to issue Fasc. 1st of
'Fungi Caroliniani Essiccati', to consist of natural
specimens of the species, done up after the manner of
such works — In its preparation I have had the
aid of Rev^d M. S. Berkeley, who has had most of
my species in his hands — & I have also derived
assistance ~~from~~ in settling the Schweinitzian synonymy
from my friend Mr. Curtis, who had an opportunity
last summer of inspecting that Herbarium.

My design is to illustrate as much as possible
by this means our American Mycology — & to furnish
to European Botanists the means of examination &
comparison — It will be proper to give them some
notice through our Scientific journals, of the intended
project; — & knowing the interest you always take in

the progress of American Botany, I have thought it
not amiss to request you to give such a notice
of the work as you may think proper, in the next number
of Lillienau's journal

The 1st Fasciculus which I hope to have ready
early in the summer, will contain 100 species,
of which nearly one half will be peculiarly American

The other numbers will follow as soon as
sufficient matter is collected for their issue

The publisher is John Russel, Charleston S.C.
to whom application may be made for copies &c.

I am on the occasion to make inquiry about
the species of Pine which I sent you about 18 months
ago, labelled "*P. glabra* Walter" Have you given
it an examination, & do you agree with me in
that opinion? I can hardly doubt that it is

Walter's plant.

What progress are you making in your
"Forest-trees of N. A."? I hope you have not
abandoned the continuation of "Genera illus-
trated"

Very respectfully

J. M. Rarison

With respect to my request above about the notice, I leave
to you your own discretion - If you think it advisable to
until the first vol. is issued, before any notice be taken of it -
I shall be satisfied; & indeed I would feel obliged to you
for any suggestions you may think proper to make on the subject

I trust I am not troubling you unnecessarily - I only
venture to tax your kindness, from a knowledge of the interest
which you always take in such efforts to elucidate our
Botany -

1891

Black Oak S.C.
3rd 1/2

Prof. A. Gray
Cambridge
Mass.



Aiken Aug 17th 1885

My dear Sir

Your very kind letter came to hand last week, & I must thank you cordially for your good intentions towards me. My apothecis has been already affected through the intervention of our good friends Messrs Berkeley & Curtis, & I go down to portenitz, on the sails of ~~one~~ of our Carolina prangi (a much humbler barge, you see than that which you had provided for me). *Narumelia* is a new genus, discovered several years since by me in the lower part of the strati, & since then up here - & inserted in the last fasc. of my *Fungi Carol. Essic*, issued a month or two ago.

It may be interesting to you, ~~in general~~ in connection with Geographical distribution, to state that after Mr Berkeley had so named my plant, he had another species of the same genus sent to him from the East Indies, ~~probably~~ by the younger Hooker - Our plant grows on the leaves of *Tephrosia virginica*, the East Indian on *Acacia* - (See Hooker's Journal for 1854. p. 205)

I have written out & sent off my notes on *Baptisia stipulacea* to the Elliott Society of Charleston, & will send you a copy when it is published. Does it fall in your way

now, to direct or to recommend the distribution of any of the new excellent seeds & vegetables, of which the Patent office is the medium of dissemination? In former years, my name was upon their list & I frequently received from them, but of late, I have been forgotten - If it ever comes in your way, please remember me -

I am somewhat of an amateur farmer & take great interest in my farm & garden, for healthy & invigorating exercise, & for instructive experimenting.

I have a strong suspicion that some of the things, of which I have seen notices in the papers, are old acquaintance under new names - Wilkes' pumkin Taro of the Pacific islands is what we have been planting as a table vegetable - (the Taro) for many years - Annona esculenta, & perhaps this new Calladrum may be nothing more.

I have felt very sensibly the expressions of condolence & sympathy, which I have received from my friends under my late sad bereavement, & although they can scarcely alleviate the sense of desolation which that has caused, they are gratifying as indications of cordial sympathy & good feeling - There are the heaviest trials we are called upon to bear, & it is only when we can look to a higher source of support than man can offer, that we may hope

for comfort & resignation - Accept my best wishes for you & yours, & believe me truly & cordially your friend.
W. W. Barnecl

their duties & responsibilities, moral
religious & political; & they are satisfied
with their approval of it in the sight of
God & in their own consciences.

They feel that they alone are responsible
for it, — & they are determined that they
alone must control it. To them
it is a question of life or death, whilst
to outsiders it is simply one of senti-
ment, — or the acquisition of political
power.

Their love for the union as it was
established by our forefathers, & as it would
still be, if constitutional obligations
were observed, has been intensely strong
but the abuse & insult heaped upon them
by the people of the North, through the Press &
the Pulpit — in the halls of Congress & in
all public assemblies, have at length
accomplished the work of destruction.

The last overt act, is the election of
a sectional President on the ground of
his avowed hostility to us, & solely upon
that ground. Can we longer submit to that
degradation?

With assurances of my personal esteem &
regard, which political responsibilities cannot in-
terrupt, I am, as ever, your truly W. W. Russell

Black Oak - S. C. Dec 11/1860
(8th St. Berkeley Parish)

My dear Sir

I am well satisfied that
any volumes of *Exsiccati* should go
upon your shelves & I hope you
will keep them. You will rec-
lect that on the issue of the first
Fascicle, I offered to send you a
copy, which you declined, on the
ground that ~~as~~ the issue of copies
was limited, they had better go
into the hands of those who were
specially engaged in the study of
this class of plants. I suppose
however, though you do not give
special attention to the *fungi*, your
collection is so much consulted, that
they would be reached there by those
in search of them, as well as any
where else.

I understood from your letter that

Mr Sprague of Boston has a copy of
the set. I was not aware of this.

There are several copies which have been
taken by Baileys of New York,
some for foreign subscribers & others for
those at home. Though I know most
of the subscribers, there are some from
of the copies where destination I
have never been able to learn from
Russell the publisher;— & I suppose
this is one of them.

You ask if there are not many
more Union men in South Carolina besides
Gov. Pickens. I answer, none!— &
Gov. Pickens himself is no exception as
appears by a late letter of his.

The unanimity of sentiment pervading
our state is most wonderful.

Our Legislature by a unanimous vote,
called the convention which is to assemble
next Monday (for which delegates have

been elected), & from all indications, the
vote in Convention will also be unanimous
for immediate withdrawal from the Union.

This universal determination of our peo-
ple is made in no spirit of wild adven-
ture;— of plunging into new & untried
political experiments for light & trivial
causes, but in the result of a deliber-
-ate & deep seated conviction that
our liberties, our honor, our safety &
our property can no longer be preserved in
the Union. They have counted the cost,
& they prefer Disunion with its possible
consequences of civil war, to remaining
any longer under the certainty of Depra-
-dation against them, in submitting
to a government whose avowed object
is the destruction of their property, the sub-
-version of their institutions & the denial of
their equality.

Our people have studied very thoroughly
this whole question connected with the institution
of African slavery. They have considered

Aiken S.C. March 21st 1861

My dear Sir-

From the superscription of the address, I presume I am indebted to you for the copy of Prof Hodge's pamphlet "On the State of the Country". Thank you for the attention.

In ordinary times, political affairs would be out of place in our epistolary intercourse, confined as it has been to scientific matters mostly; but as Prof Hodge remarks in his own justification, there are times when their discussion is not only proper, but becomes the duty of all good citizens.

I had heard of this essay before its receipt, but had never seen it. As coming from you, with (I may suppose) something like an endorsement or mark of approval, I have read it even very carefully, & with every disposition to weigh his reasoning, although he has failed to satisfy me on all the points of his argument. Many of his so called "facts" are merely assertions derived ^{from} the vocabulary of partisan warfare, the truth of which have been repeatedly denied. — His premises, based on what we consider erroneous views of the structure of the government are inadmissible, & the conclusions consequently are without weight.

Prof Hodge's essay may be divided into two general heads, — each one of which he endeavours to prove

that the Southern States have no right to secede from the Union, — in the other, that there is no just cause for secession.

With respect to the last, it may be remarked that we look at these "causes for secession" with very different eyes; — & that however inadequate they may seem to him, they are quite sufficient to satisfy those who have felt themselves forced to this act. The maintenance of their institutions, their prosperity & safety, of their very existence as States, depends (as they believe) upon the management of their own affairs by those only who have a friendly interest in them, rather than by those who are hostile. Public sentiment at the North is almost universally inimical (though in different degrees) to our domestic institution of African slavery. This sentiment pervades all classes — It is instilled into the young in their school books; & becomes the theme of the politician in his appeals to the people. The press, the pulpit, the hustings, all furnish occasions for its display. It must always have been the basis for parties & political excitement.

When we see too by recent developments, that the general opinion of the structure of the late Union was that of a consolidated government, the inference is too plain for doubt, that there could be no permanent peace or quiet. If the States are not sovereign within their own limits, ~~then the major~~ & have no ~~such~~ mode of redress for intolerable evils short of rebellion, then the majority (the government) having the right to

in the light of wisdom & common sense, that we should part in peace, if there be irreconcilable differences. Reconstruction & re-union now are out of the question. It is too late! The unanimous sentiment of our people is against it. And what possible good, could civil war effect? Coercion — subjugation! These have become trite phrases, but only fools who do not weigh their import can seriously urge them — Five millions of freemen fighting for their homes & their liberties can never be subjugated. But supposing such an event possible, of what avail would a Union constructed on such terms be? All that we ask is a recognition of our separate independence as a confederacy, — & a just & equitable division of our former responsibilities. We claim nothing more, & will be satisfied with nothing less. By timely forbearance, & a peaceful & satisfactory arrangement, mutual benefits can be secured. Commercial, & perhaps, political alliances may be established; but let the contrary course be pursued, & no one can tell how long it will require for the evil passions stirred by civil war to subside & give place to friendly feelings.

Before closing, I wish to disabuse your mind of an impression which prevails through the North (manufactured by the newspapers & gossips) as to our condition here especially in South Carolina. It has been repeatedly asserted in the papers of the North

that anarchy, mob-law, distress, forced loans, & all manner of evils are reigning supreme over our state. The most barefaced fabrications have been published as true & with such pertinacity in the face of denials, that the unimpaired & motive with which ~~they~~ ^{are} undertaken, are too plain for doubt. I assure you on my honor there is not a word of truth in any of these statements.

There has never been a moment of time when Law has not reigned supreme in South Carolina.

I have not heard of a single mob at any time during our revolution, unless orderly assemblages of citizens can be so called.

Every thing has proceeded with the same observance of legal form & propriety as they have always done.

There has not been a forced loan from any one, or even an expectation of such a thing that I am aware of.

I have heard of ^{no} cases of actual distress, farther than are met with every where & at all times. For a month or two, business in Charleston was very much interrupted, but our merchants expected it, & bore the loss very cheerfully; & were amongst the foremost in the secession movement. It was sometimes difficult to be served in the stores for want of clerks who had volunteered & gone into the service of the state but the public put up with these slight inconveniences without a murmur; whilst their places & their salaries were secured by their employers against them.

return - "Nobody was hurt".

There have been numerous donations from our wealthy citizens in aid of resources for the sudden emergency, some in money, ~~others~~ in provisions for the troops, labour of slaves &c, but they were entirely gratuitous & voluntary. Some of our people have spent thousands of dollars in the purchase of arms & munitions of war, & equipping whole companies of volunteers completely from their private means. There have been several thousand slaves at work on the fortifications in Charleston harbor, furnished by the planters without cost to the state. I speak knowingly, for I saw the first detachment of men ³⁰⁰ that were sent from St Johns (Berkeley), ^{and testify to the promptness} ~~and the promptness~~ with which they were sent on a few hours notice, & the alacrity with which their masters accompanied them to the work.

There was no case of forced loan, — not one, for there was no necessity; — but there was a willingness in the mind every one to devote all he had of wealth, & even of life itself to the cause, if the state had need of such sacrifices.

Notwithstanding the intense excitement which occupied the minds of men, & pervaded the whole state there was nothing of violence, — nothing of insubordination to strict military obedience when it was required, but on the contrary every one seemed animated with one purpose to go forward with earnestness, & with scrupulous adherence to law & order.

Believe me, my dear Sir, how much over we have been reviled, we place a high estimate on the manner in which we have conducted ourselves through the trying scenes of the last three months, no less than on what we have achieved in that time. We are not a lawless mob as our enemies would make us, but a law & order loving people. Self respect & the pride of our position have animated us so to act, that whilst striving to secure our liberties, we may at the end of the struggle, be worthy of success.

Accept assurances of the warmest personal regard & esteem from yours most truly
J. W. Parnell

Can you send me a spare sheet containing your notice of my *Prize Exsiccate*, from the January number of *Sullivan's Journal*?

correct abuses, & failing to do so, become responsible for those abuses. If our slavery is your sin (& such it would become under the theory of a consolidated gov^t) then would it be your duty to make every effort to eradicate it. Indeed such was the programme of the Republican party, judging them by their public manifestations, their orators & their press.

Then an "cause" sufficient for the action of the seceding states.

With respect to the Right of Secession, the difference of opinion is here developed from the conflicting views of the nature & structure of our former union.

If it were indeed a consolidated gov^t; — had the original states yielded all their rights of sovereignty at its formation, then we would have constituted one nation, from which no single state could have withdrawn any more than a county or district can now withdraw from a state. But such has never been the understanding of the compact heretofore by a majority of the people. Articles IX & X of Amendments to the Constitution plainly ~~for~~ forbid such an interpretation. If in the last resort, to ward off intolerable evils a state is prevented to protect her people, then would the term "State Rights" be an unmeaning mockery.

At the adoption of the Constitution it was certainly expected & hoped that the union, which was intended (among other things) to "insure domestic tranquillity"

would be perpetual. This was very natural. People when they are about doing any thing by which they expect to better themselves & their posterity, would hope that these benefits may be perpetual; — but no argument can be drawn from this to prove that they yielded all chances of redress, & committed themselves to a state of things from which there was no way of escape.

That this was the impression under which the Union was formed, seems clear also from the conditions under which it was ratified & adopted; some of the states (as New York) asserting in the Ordinance of Ratification "that the powers of government may be re-assumed by the people, whenever it shall become necessary to their happiness". New York therefore expressly reserved the right of secession; & whatever rights she possessed, was possessed by all the others. This right was not the less perfect because unexpressed in the constitution. When certain powers only are delegated, it is not necessary to enumerate them that are retained.

And now, my dear Sir, whatever may be our peculiar views as to the structure of the government of the U.S., is it not better, looking at the matter

Worcester S. G., July 19th 1866

My dear Sir In consideration of former friendly relations & pleasant intercourse, I take the liberty of asking your opinion upon a matter which I have been lately revolving in my mind. Doubtless you are fully aware of the financial ruin & destitution existing here at the South. Previous to the war, my means were sufficient to give me a comfortable support, & at the same time allow me leisure to devote to literary recreation. From the bankruptcy of investments I have lost nearly every thing, & now find it difficult to support my large family even in the most economical style. I have been trying for a year past to find some kind of employment that would give me a support, but from the unsettled state of our political affairs, the universal destitution among all classes, & the scarcity of saleable produce, there is but little business of any kind. I am anxious to do something, — & it has occurred to me that my botanical exercises, which I formerly used as a recreation, may now be turned to practical account, & thus afford me an occupation by which I may obtain a living, more congenial to my tastes & inclinations than any mere mercantile business. It is upon this point I wish to ask your opinion.

Among the botanists, scientific institutions &c. in this country & Europe, would there be a sufficient demand for such collections as I could make in Phænogamous & Cryptogamous plants as would compensate & furnish a remunerative support?

I know that Naturalists as a class are not wealthy, & generally make their collections by exchanges in kind, but in so wide a field I have thought something might be done. My collecting ground you know contains a rich & interesting flora, & my previous experience would enable me to collect in all the orders of Cryptogams except Lichens. I would be glad to have your opinion of its feasibility, — & any suggestions & advice you may think proper to give me on the subject. If the scheme is practicable, then how should these collections be prepared & offered? — whether to receive orders for special desiderata, — or to make a general collection of every thing as they turned up & offer them in any portion of them in that way — Another mode is to issue determinate parcels of certain plants with indexes, but this would involve expense, all aspect & a further "Stripes" undertakes the representation of all the orders of Cryptogams. The objections to this latter form are, the greater expense, & the ^{longer} time required before the requisite quantity of material can be obtained. Unless subscriptions are obtained in advance for the work, the risk of loss is too great. My associate has recently paid me for more than 1000 books & printing, as I gave away about half the books.

In addition to the above, I have thought of the plan of making collections of our Native seed (forest trees, shrubs & herbs) for the large European seed men & dealers who want American plants. Can you give me any hints on this point? Whatever aid or advice you can give me in this matter will be gratefully appreciated.

After having laid botany on the shelf for the last five years (& Phænogamous botany for a much longer time) I have had my interest in the subject quickened & revived by a late correspondence with Dr Engelman on the Yucca. I have been making collections for him in quantity for his Herb. Yuccarum. In addition to the revival of interest, I have had my knowledge of this genus much extended by the correspondence, by his published Monograph on the "Species of N. American Yuccas" — & by my own observations here. I have collected & prepared for him about 1500 specimens already, comprising some 8 or 9 species, varieties & sub varieties. Some of the transitional & intermediate forms are very puzzling. Dr Engelman has very kindly & considerately insisted upon compensating me for my work, & it was this which has suggested the plan detailed above.

I would be glad to have your opinion of the value of such collections, both of Phænogamous & Cryptogamous, so that I might form some idea of the profits of such a business.

I suppose it would be necessary to have an agent or referee in Europe, who could receive orders,

& through whom the transactions could be effected

If you think the project practicable, please give me any hints as to details you think proper

I am very truly & sincerely yours

H. J. Benson

I have lately written to Mr Mackay of England on the subject

Nat ord	gen.	sp.	Nat ord.	gen.	sp.	Nat ord.	gen.	sp.
Ranunculaceae	5	10	Rhannaceae	2	2	Guttariaeae	3	3
Magnoliaceae	2	3	Leguminosae	28	63	Bignoniaceae	2	3
Anacardiaceae	1	1	Rosaceae	10	22	Polemoniaceae	1	4
Menispermaceae	2	2	Chelidoniaceae	1	6	Convolvulaceae	5	11
Berberidaceae	1	1	Lythraceae	2	4	Hydrocharaceae	1	2
Cabombaceae	1	1	Onagraceae	4	16	Scrophulariaceae	18	30
Ceratophyllaceae	1	1	Haloragaceae	2	4	Plantaginaceae	1	3
Nelumbiaceae	1	1	Pasifloraceae	1	2	Orobanchaceae	2	2
Nymphaeaceae	2	2	Cucurbitaceae	1	1	Acanthaceae	3	3
Saurauaceae	1	2	Cactaceae	1	1	Verbenaceae	3	4
Papaveraceae	2	2	Crotonaceae	1	1	Labiatae	18	26
Cruciferae	7	10	Saxifragaceae	4	4	Solanaceae	3	6
Polygalaceae	1	10	Hamamelidaceae	2	2	Chrysanthemaceae	2	3
Orobanchaceae	1	8	Umbelliferae	13	22	Chenopodiaceae	2	4
Droseraceae	1	1	Araliaceae	1	1	Polygonaceae	2	14
Cistaceae	2	4	Cornaceae	1	3	Phytolaccaceae	1	1
Hyperiaceae	3	16	Loranthaceae	1	1	Lauraceae	3	3
Caryophyllaceae	7	11	Caprifoliaceae	3	6	Santalaceae	1	3
Portulacaceae	1	1	Rubiaceae	6	12	Ulmaceae	2	3
Loniaceae	1	2	Valerianaceae	1	1	Saurauaceae	1	1
Geraniaceae	1	2	Compositae	52	138	Callitricheae	1	1
Balsaminaceae	1	1	Lobeliaceae	1	6	Euphorbiaceae	4	7
Oxalidaceae	1	2	Campanulaceae	1	1	Leguminosae	2	7
Anacardiaceae	1	3	Ericaceae	8	15	Cupuliferae	3	18
Ternstroemiaceae	2	2	Lentibulariaceae	2	8	Myricaceae	1	2
Malvaceae	4	6	Primulaceae	3	5	Betulaceae	2	2
Tiliaceae	1	1	Styracaceae	1	2	Salicaceae	2	5
Elleboraceae	1	1	Agapophaneae	2	5	Balsamiferae	1	1
Vitaceae	2	5	Oleaceae	3	4	Platanaceae	1	1
Aceraceae	2	2	Apocynaceae	3	3	Urticaceae	2	3
Hippocastanaceae	1	1	Asclepiadaceae	2	9	Coniferae	2	7
Celastraceae	1	1	Loganiaceae	1	1	Palmaceae	1	1
						Anacaceae	3	4
						Lemnaceae	2	2
						Typhaeae	2	2
						Fluviatilis	1	2
						Alismaceae	1	5
						Orchidaceae	12	23
						Bromeliaceae	1	1
						Amanglidiaceae	8	9
						Hoemoclora - eae	1	1
						Gracilaceae	2	4
						Dioscoreaceae	1	1
						Smilacaceae	5	14
						Liliaceae	2	3
						Albulaceae	4	5
						Juncaceae	2	13
						Commelyneae	2	5
						Lycopodiaceae	2	6
						Eriocaulonaceae	2	2
						Cyperaceae	18	111
						Gramineae	43	114
						114	379	902
						Felices	25-30	species
						Musci & Hepaticae	about	120 species
						Lichenes	about	130 or 140 species
						Fungi	850-900	species
						Algae	14	species

Chickadee Nov 27, 1866

Dear Sir Since sending off my letter yesterday I have been thinking over my scheme of the American Herbarium, & of the very important aid which Prof. Gray could render me by his approval & co-operation. His opinion has great weight you know, not only in this country but also in Europe where I would look for a large number of subscribers. It would be necessary to put out some explanatory notice of the work, to induce subscription, & foreigners would want some assurance that the work was to be properly done. My own share in the work would be more mechanical. Its chief value would be derived from the authentication of the specimens, dependant of course upon the fidelity & honesty of the author in having the editions perfectly uniform. Each copy should be a fac simile of the others.

I wish to state my views more fully, so that if you undertake to write to Gray on the subject, you may be able to explain them to him. Apart from my interest in the business, it strikes me that a thing of this kind properly executed would be a grand conception.

With the assistance of a sufficient number of subscribers, I would resolute it my business & devote the whole season to collecting. I could probably get 300 or 400 species in my localities. When one locality is exhausted I will collect in another. In two or three years I could finish off with this state & take others, say Florida. The completion of the work will not be dependant upon my life or my ability to go on with it. After a start has been made, it may be carried on by others in succession until the whole American flora is represented. Indeed there is no

reason why it may not be carried on consecutively or simultaneously in Europe, if the plan is approved & found to work well. I may be rather sanguine, but it seems to me quite practicable, as well as very desirable. The ability of persons to subscribe is only limited by their ability to pay \$25 to 50 per annum, for that which when completed would be worth more than any ordinary herbarium of equal size.

In the execution of the plan, I propose to limit the fascicles to 50 species each. I think that would be of convenient size - each species occupying a sheet - the sheets to be numbered to correspond with the reference in the printed index. Each annual collection must be arranged systematically. ~~This is "It would be better, if it were possible, to~~ This must necessarily be so. But in many cases I could finish off the smaller genera by including all its species. With respect to the larger genera, I could in some cases, just from their insertion until all the species were obtained, - & for this purpose I perhaps may be aided somewhat by botanists in other parts of the country. I could devote an entire fascicle occasionally to the Gramineae or Cyperaceae or Compositae or any of the large orders. The execution of the work may be so arranged, that at ~~the~~ ^{its} completion of ~~the work~~, the whole collection may be brought together, all the species under their own genera, & the entire Herbarium arranged systematically, still preserving the original references for the identification of particular specimens.

I think it important to be borne in mind that the completion of such a work is not dependant upon my life or my ability to

go on with it. Once started, it could be carried on by others until the whole Flora is completely represented.

Such a thing I would take a personal pride in presenting in as good condition as possible. I would endeavor to have, whenever practicable, flowering specimens & fruiting specimens, & also any other parts that was characteristic, such as the root, rhizoma &c.

If this thing strikes you favorably, you could aid me very materially in bringing it to Gray's notice & finding out what he thinks of it - & whether I could expect his co-operation. Mr. Benth could do for me in Europe what Gray might do here, viz give it the proper notice & endorsement. I would not undertake it without the approval & endorsement of the leading botanists of this country. I am ready to do it if they approve, & will aid me by the authentication of their own species.

I think the charge of \$5 per fascicle of 50 species is reasonable when an ordinary collection simply labelled is worth \$8. per 100.

I propose to use stiff pasteboard cases with string, somewhat in the style of Bullimore & Desgenais's Mapes - the sheets of stiff paper of the ordinary herbarium size, with printed title page & index & printed labels. The latter may, if it thought desirable, contain the full synonymy of the plant. - time ^{& place} of ~~flowering~~ collection &c.

Think of it & do what you can to aid me

Yours truly

W. R. Barneby

(2-11)
Aiken S.C. June 19 /76

as formerly, & I seldom go out
in the wood now, so there is no in-
vestigation in vegetable life, but I wish
some interest & amusement.

I send my photographs - notes
- from an, but the best I have at
present - & will be glad
to have yours in exchange.

Yours very cordially,
H. W. Hensel

Can you give me Dr Perry's address?

I am anxious to hear from him about
some Texas Plants sent two years
ago - & have written two or three
times without reply. I fear my
letters have not reached him.

My dear Sir

Your note of 12th inst.
from New York came to hand a few days
since - If you think the subject of
Bacteria of sufficient interest, I have no
objection to its being published in *Naturalist*.

I have observed since, that as the growth
towards the extremities becomes more
feeble - & also in the weak & up-
right branches, there is a less perfect
tension, as if the leaves were not
strong enough to carry the stem round.

I have been making some
observations lately on the leaf
arrangement & tendrils of Cucurbi-
taceae, which would require some
time to give in detail, & which perhaps
may be already known to you.

I will merely state a few general
conclusions, & if desirable, I can add

my notes were fully.

In the following 7 species examined
viz - Bush Squash - Cucumber -
Gourd - Watermelon - Gherkin -
Yokohama Squash - & Sechium
edulis (Mango), the Phyllotaxis
is $\frac{2}{5}$, & the tendrils always lat-
eral. These are the only constant
characters. The direction of the
spirals, I find, irregular, sometimes
left to right, sometimes the opposite,
in different individual plants of the
same vine &c. Most generally
where the main stem has the spirals
in one direction, the laterals take
the opposite - but not always!

I observe however as a constant
character in all, that the position
of the tendril indicates the direction
of the spiral. When the tendril is
on right of leaf, the spiral is from
left to right - & vice versa.

These irregularities in the spirals have
surprised & perplexed me. I had
expected to find them constant, at
least in the same varieties.

Have these leaves been thoroughly in-
vestigated? - or will it be worth
my while to go on with further
observations? You will under-
stand why I have to ask these
questions, as I have not access
to the latest botanical ^{authorities} ~~sources~~
& may be only repeating well known
things ~~statements~~ conclusions.

I have a few interesting specimens
kind of which I will send on
to you some time shortly -
& if there is any thing of special
interest you would like, say so
& it will give me pleasure to
do what I can.

My health is not as good

Nhieu S.C. July 21/71

My dear Sir

I venture to turn your
hesitation & turn a little further

I have written out the record of
my observations on Cercarial dermatitis, but really
I hesitate to ask a place in its columns,
unless the subject matter is of sufficient
interest to its readers.

Is it asking too much of you
to look it over, & can you judge
much whether it should be sent to
the editors or not? If these observa-
tions offer nothing new, then they
need not occupy useful space
to the exclusion of other matter.

Should you think it worthy of pub-
lication, forward it to the editors with
this explanation.

Very truly yours

H. V. Ransom

Note respect to his books (botanical)
manuscripts, illustrated notes, Enciclopedia
&c &c, if they intended also to dispose
of them, they should be offered separately.

Dr Carter's collection is so valuable
(especially for the fungi) & so well
known, that there need be no par-
ticular description. It will be
an indispensable work for reference
& authentication in the future study
of American Mycology, & should
be retained in this country.

I'm asking your co-operation & encour-
age much kindly aid & suggestions
as you may think proper to offer.

D.C. seemed to prefer that his
collection should get into your
hands, when he knew they would be
well cared for, but the necessities
of his family required him to make

Albany N.Y. Apr 25 1872

My dear Sir

Before this letter reaches
you, you will probably have heard
of the death of our good friend Dr
Carter at Hillsboro. My first
intelligence of the sad event was
by a letter from Mrs Carter. She
gives no particulars, nor even the
day of his death, except that
it was sudden. From his letters
to me for two years past, I was
not prepared to hear this. He
had had some serious attacks
of rheumatism in his head, & these
repeated warning, had caused him
to abandon all active work.
He wrote but seldom, & then always
apparently with difficulty.

Mr. Carter writes to ask my advice
about the disposition of his botanical
collections. From Dr. Carter's letters
born in the last terrible disaster,
I know pretty much his wishes as
to subjects, — & have written to
Miss C. to make such suggestions as
I thought proper. Knowing also that
you had always been an ear & a
first friend, I started to tell him
I would write to you & ask your
co-operation.

I saw a letter about a year ago
he started that he wished to dispose
of his herbarium before his death, as
his friends would not know what
to do with it. That it contained
a large number of 12000 specimens
of plants about one fourth of which
were Cryptogams — a large portion
of them — fungi. That he intended
it to go together as a whole, &

& not to be divided.
That he had had an offer from you
(which you also started in one of your
letters to me) of \$1100 — that he
would like very well it should
get into your hands, & that he
had pledged you its possession if he
could get no more for it — that
they wanted it also for Bonnier's
Grimm's & Peck for the Chicago
State collection. Afterward Gen.
Casper applied to him for it from
the Ag. Dept. at Washington. The price
named was \$2500. Gen. Casper
was anxious to secure it, but should
afterward left to Dept. before any
thing definite could be done.

I have stated this in substance
to Miss C. — & advised her to
put a notice in the Am. Nat.
ambit offering the collection for sale,
& advising to take \$2000 if offered.

for the highest office, provided the
was satisfied with the candidate

One by one, our earlier
co-workers in Boston, are falling,
and we, on returning from the
stage of active work. Dr C was
about 53 years of age, - not old,
but perhaps overstrained by microscopic
work. My correspondence, now
reaching back to a period of 27
years, has been interrupted through
that time, & furnishes me one of the
most pleasing reminiscences of earlier
botanical labors.

I am very truly & sincerely yours,
H W Ravnall

I have never seen your note
of Baptisia purpurea. Published in
Gillman's Journal - Can you spare

me a copy? & if my two papers
presented to Pandemopolis meeting,
are printed in Proceeding of Am.
Assocⁿ, I should be glad to have
copies.

52

1 Athens S.C. Nov 24 /73

M^r Geo. E. Deavenport
Dear Sir

Yours of 19 inst
was received ten days ago

I regret that it is out of my
power to gratify you by an exchange
of botanical specimens. I am not
now actively at work in Botany,
having been obliged from force of cir-
cumstances of late years to give it
but slight attention. I make no
collections, except sometimes to fill
orders from friends who take them
at a fixed price.

I have looked into my Herbarium
to see how far I could serve you
in furnishing a few desiderata
& will enclose in this ten best things
I could find. Pteris aquilina grows
here, & I will try to get it for you

another season.

Do not trouble yourself to make
any returns for these have enclosed.

Really I know of no one to
whom I could recommend you to apply
for Southern plants. Our people
have had to struggle so hard for the
necessaries of life of late years, that
scientific recreation is not much
thought of

Very respectfully yours
H. V. Ransom

Moncks Cerron. N. E. N. H. (35 miles N. of Charleston)

July 13 1874

My dear Sir About a week or 10 days ago I sent to Mr E. Mearns
Merrill of Cambridge ^{living} specimens of *Scorvacania varicularis* & *S. flava*, with
the request that he would share with you. I have read with much interest
Dr. Mellechamps observations on *S. varicularis*, contained in your article
in New York Tribune of 5th June, & have used the opportunity of a visit
to this neighborhood (my old botanical ground) to make further examinations.
I have seen hundreds of these plants, & have cut down & examined
3 or 4 dozen of each species. As this subject is one of great interest, I will
give you a statement from my notes taken at the time after each
examination, & the general results to which I have been led.

I found almost invariably, (& with scarcely any exception) on cutting open
the tube, ~~the~~ ^{the} remains of dead insects (mostly of ants, with some beetles
& longhorn bugs) - a moist, putrid & repulsive mass, occupying the lower
portion of the tunnel; & always in the midst of this mass, a living
white larva, about $\frac{1}{2}$ to $\frac{3}{4}$ inch long & about the size of a goosequill,
truncate, with blackish horns ^{above} ~~at one end~~, & tapering to a point at the other
end. This larva was evidently "at home", enjoying herself & comfortably
provided for. In some few specimens, instead of the white larva at
the bottom of the tunnel, I found a reddish, annulated, horned worm
of about 1 inch in length occupying the upper portion of the tube,
surrounded generally by a loose cobwebby protection - & which I suppose
may be the chrysalis state of the other. Whenever the latter was found,
there was always a quantity of insect excrement (from vegetable food)
filling up portions of the tube. I found this condition of things in both species.
In most all the specimens examined, there were traces of the

saccharine exudation along the rim of the pitcher, in the form of a whitish, waxy substance in patches of irregular extent, passing downwards along the inner portion, for a half inch or more, when all trace of it is lost. I found this in both species, but more abundant & more common in *S. variegata* (perhaps because the latter was better protected by the projecting hood from rain). I could not however detect any sweet taste in the efflorescent substance, nor ~~could I~~ in the "honeyed pathways" mentioned by Dr Mellichamp, as extending from the rim of the pitcher to the ground. But the edge or border ^{of the} commissure is purplish along its whole length, similar in color to the rim of the pitcher, & has the appearance of a secreting surface. Perhaps only in the early part of the season is it more visible.

The retrose hairs of *S. flava* occupy a similarly relative position in the tube to those of *variegata*, in both cases commencing abruptly about midway or somewhat above, & extending down to the bottom. In *S. variegata* these retrose hairs are also found more scattered along the inner curve of the hood.

In making a cross section of young plants (of both species) before the growth is fully developed & the tube formed, I could see even with the naked eye, the open mouths of numerous tubular cells passing ~~up~~ from the base of the tube downwards to the petiole & root. With a pocket glass they appear quite large & distinct. In full grown plants, these cells are not so visible, being somewhat closed from outside pressure.

In all the specimens examined I found only the moist putrid mounds of macerated insects, no fluid in sufficient quantity to drink or be poured out.

These comprise the main points of my observations. Now, what is the meaning of all this? — 1st The whole structure & functions of the plant evidently intended for the capture & destruction of insects —

2^d, The open tubular cells extending from the root upwards to the base of the funnel in the earlier stages of growth, & 3^d The one living layer, invariably found at the base of the tube & in the ~~middle~~ of the mass of dead insects, the only living thing capable of resisting the effects of the intoxicating fluid, or placed there after its effects are lost.

I notice that at this season (first week in July) the mere plant growth of *Sarracenia* seems to have attained its full vigor & to be rather on the decline, — the leaves fading & drying away more or less, the capsules about maturing, & the bud for next years growth well formed on the creeping rhizoma. The end & purpose of all this curious & complicated structure (whatever it may be) seems to have been accomplished. The first & most obvious impression would be that the plant makes use of these insects in some way for its food, — & on first seeing these large tubular cells, I thought it likely, their office was to convey the juices from the tube down to the root. But on further reflection I am inclined to take a different view. The hypothesis I am now disposed to favor is this, — That the living white layer found invariably among the macerated insects, is in some way important (perhaps necessary) to the well-being of the plant, most probably in its advanced stage of growth or winged insect, either to assist impregnation, or in some other way. And (as a consequence) that this elaborate structure & system of contrivances for the capture & destruction of insects, is for his benefit, & not directly for the nutriment of the plant itself; — that the tubular cells passing up the petioles to the base of the funnel, convey the intoxicating fluid noticed by Dr Mellichamp in April & May; — that this & the saccharine secretion being wanted only for the capture of insects, cease to be furnished after their use is over; — & that by

midsummer, the plant ~~grow~~ is mostly over, ~~the~~ capsules matured, & the new buds formed on the rhizoma for next year.!

But if this interpretation be in the right direction, the questions arise, — Whence comes the insect? How does he alone survive & flourish in this "manetic pool" which is death to others, — And what very necessary part does he play (& in what phase of his life) in the economy of the plant, that such an elaborate structure should be designed for his benefit, — & one so widely divergent from the normal structure of vegetable life. In one word, is he an intruder, sharing with the plant, the store of provisions secured for its own use, or is he a welcome guest & profitable tenant?

Prof Riley of St Louis was so fortunate in detecting the relation of *Promecis* to *Jucca*, that I have sent him specimens of this larva in various stages of growth, together with the leaves of both species, hoping that from their examination he may understand the affinities & habits of the animal, & be able to suggest its profitable use to the plant.

I am very truly yours

H. W. Henshaw

I shall leave this place in a day or two on my return to Akron, where I shall be glad to hear from you of the safe receipt of the package of *Scammensis* sent off through the mail a week or two ago. I have never seen Dr. Blackledge's article on *Scammensis*. Have you any spare copy of its republication?

Aiken S.C. Nov 3^d 1871

My dear Sir

I have just received your letter inquiring how Scellin's book may be sent to me. I suppose it will come safely by entrusting it to the Express company (and prepaying the freight) directed to
"Care of P. C. Gaillard Esq
Charleston S.C."

My new Bacteria (with a plate) is published in Proc. of Elliott Society - As soon as it is received I will send you a copy

very truly yours

H. W. Ravenel

1
Nelson S. C. June 11 1883

Dear Sir I received a few days since,
your Paper on "Distribution of Ferns in the
United States" On looking over your list, I
see you have omitted to credit to this State
several species which I have myself collected
I looked carefully over my collection books,
& have noted those which are omitted.
I have taken off small bills to enable you
to verify the species, which I inclose.
The species may be correctly named, but
you may be assured of their having been
collected by myself (except where otherwise
noted). I have at times made collections
in Georgia & at North Crk Mt. Pampana,
some of which I send also.

Hoping this may be of some assistance
to you making your tables more complete &
accurate I am very truly yours

W. M. C. Smith

A. Filix-mas = A. Filix-femina

^D M. olivaceus B. - abt. 1800

A. Lonicera - 1800

Reception Room

Sir

Allow me to send you a
complementary copy of my
"Index to Mineralogy"
(when ready) free to your
full address

and oblige greatly

Yours obedtly

J. A. Readman

Also ripe fruit of our cereus which you
think ~~serpentine~~
Royal Palm Nurseries.

Orange, Lemon and Lime Trees, Rare Tropical Fruit Trees,

Plants etc.

SHRUBS, ETC.

mailed Today

Manatee, Fla.

July 6

1887

1. Cuban orchid.
2. Orchid from The "Little Palm Hammock" at
Chuckaluskee - S. Fla. - without leaves.
Flower white - badly pressed specimen enclosed.
Dendrophysa Lindenii
3. Orchid from same locality. *Polystachya luteola*, Hb.
4. " *Epil. ripidum*, Sw. "
5. "*Epidendrum nocturnum*, L. - only 3 specimens
found. Evidently identical with no. 44, sent
in bot before (from Guatemala.)
6. Orchid from Key Largo.
} *Epidendrum bidentatum* ?
} *Broughtonia sanguinea* ?
7. Flower of orchid from Guatemala (No. 44 in
bot previously sent.) Probably identical with No. 5
in this bot. Deliciously fragrant in evening.

I found one plant in the Palm Hammock
from which the enclosed leaf is taken. It is
evidently a fern - as it resembles some varieties
of *platycerium*. It grew in the moist rotten
bark on a cabbage palmetto - but is not
epiphytal, as it wilted on removal.
Please name if you can.

Ophioglossum palmatum

Heaven's Hand

A FULL LINE OF

CITRUS FRUITS

Novelties in

TROPICAL FRUITS,

Palms, Orchids, Aloes, Ferns,

Grasses, Agaves, etc.

ROYAL PALM NURSERIES.

REASONER BROTHERS,

GROWERS OF

RARE EXOTICS AND NATIVE PLANTS

OF ALL DESCRIPTIONS,

Tropical and Semi-Tropical Fruits, Ornamental and Scenic Plants.

Jacksonville ~~Manatee~~, Florida, April 13 1888.

My dear Sir:

Please accept Thanks for
name of Billbergia. I will send
you roots of Iris hexagona with pleas-
ure. Will have them sent from
Manatee soon. That is our only
species at Manatee. Let me hear
from you at any time when I can
be of service to you.

Truly yours

P. W. Reasoner

P.S. We are ahead of you in spring weather.
We had ripe peen-to peaches at our
Fla. Hort. meeting in Ocala on the 10th.

A FULL LINE OF

CITRUS FRUITS

Novelties in

TROPICAL FRUITS,

Palms, Orchids, Aloes, Ferns,

Grasses, Agaves, etc.

ROYAL PALM NURSERIES.

REASONER BROTHERS,

GROWERS OF

RARE EXOTICS AND NATIVE PLANTS

OF ALL DESCRIPTIONS,

Tropical and Semi-Tropical Fruits, Ornamental and Scenic Plants.

Manatee, Florida, June 9 1888

My dear Sir:

Please accept our sincere thanks for the names of the plants sent. I am afraid we will become a nuisance to you, but, like Oliver Twist, we are going to "ask for more," and Monday I shall be mailing you a box of Crinum, etc. for "more names." Will send you a root of the Calathea also, as you do not mention having it. I can send the Heliconia also if you want it. We have several Guatemalan Heliconias, apparently different. One grows as tall or taller than the species sent you, but has red stems and red midrib to the leaves. It has been called *H. rubricaulis* from this peculiarity, but I see no such species mentioned in my *Grisebach*, and have nothing else to look it up in. Another

is, I imagine, H. Chocomaiana, judging from your description & the figure in Garden & Forest. I will try and think to enclose a leaf for your identification (if it is that species). None have yet bloomed for us except the species sent.

Has the cerus sent last summer bloomed yet? Mr. Runge, of San Antonio, Texas, says it is C. splendens. It does not seem to us like serpentinus.

Can I trouble you further to give me directions as to how to get the proceedings of the Am. Academy of Arts and Sciences? That is who to write to, to ascertain cost, etc. Please pardon me for troubling you, and let me know of any plants that I can send you at any time that will be acceptable.

Sincerely yours

P. W. Reasoner.

P. S. Monday. Will send box of erimus by express, the bulbs are so large. Am afraid the flowers will be in bad order when you get them. We can not get rates here, so kindly send us back the express bill. Could not send bulb of the large Howduras sp. P. W. R.

New-York, October 28th 1845

Dr. A. Gray Dear Sir

Your favor, announcing the reception of two volumes of the Transactions of the Breslau Academy of Naturae Curiosorum for the Lyceum of Natural History, is before me.

You will please forward the same by Adam's Express, collecting from them the charges on the same, as suggested in your letter, — and accept my thanks on behalf of the Lyceum for your attention in this matter.

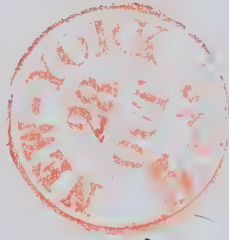
I remain Sir

Yours Sincerely

John H. Redfield

Corresp. Sec. V. G. Lye. Nat. Hist.

P. S. Please address the package to me at 16 South St
J. H. R.



PAID

Prof. Asa Gray
Cambridge
Mass.

Phila April 30, 1874.

Dr. Asa Gray

My dear Sir

Trusting that you are safely returned from your arctic journey, I am acting upon your kind suggestion to note down one or two wants which came up during the pleasant interview I had with you last week.

Please then send to J. S. Brandegee, Cañon City, Colorado a copy of your last issue of Botanical Contrib. - & of Watson's Revision of Lupinus, Potentilla & Onochea. Indicate to him that they come from you. I know that he will be happy to be useful to you in any way he can. You spoke of soon taking up the Solaneaceae. His region abounds in Physalis & Solanum & has at least one Withania? Nyctagineaceae also are strongly represent-

id. - & any of these things you express
a desire for - I have no doubt he
will strive to obtain.

To me please send the copy of
your Dubuque address - which you kindly
offered. And I should greatly prize one
of those later carte-de-visite photographs
of yourself. I have again looked at my
old one - & cannot see you in it
at all. As an excuse for this request
I send my own.

After you left - I referred to your descrip-
tion of Erigeron cinereum in Plant. Fendl. &
see that the plant I showed - is a near
relative if not the same. Remembering
your suggestion too about E. flagellaris, I
recalled one of Brandegee's old plants - with
stolons & on referring to it - believe it must
be that species. If so - & the other be E. cin-
ereum - we add 2 species to the Col. flora
the one about 100 m. north of N. Mex. boundaries
the other 170. I sent a small specimen
of each, of which I should be glad of your

opinion. Keep them as geographical facts.

Did you learn any thing in Wash-
ington as to where & how the Colorado
photograph & stereographs of last year's
Hayden's Exp. - can be procured?.

Apologizing for so long an intrusion
upon time so valuable as yours, I
must at least express to you the pleasure
which my family derived from your
visit - short as it was - & with their regards

& my own, remain

Sincerely yours
John H. Redfield

P.S. I take this occasion to confirm in
writing - that I shall be happy to subscribe
for a set of the dried Californian
plants which Lemon may collect - at
whatever price you deem to be right.

JHR

Phila Sept 2, 1874

Dr. Asa Gray

Cambridge Mass

My dear Sir

Our friend Brandegee, mindful doubtless of your request about Lowellia anea - sends me in a letter just received - a plant which he says he believes to be that species, - & which he wishes me to examine.

He also asks me to look at a plant which he sent me last year - & which I hastily referred to Disodia chrysantho-
moides, but which he thinks is also Lowellia anea.

I have handled & seen so few plants of this group that I prefer to enclose all these to you for your decision. The one marked A - is that sent me last year. On a careful examination of it - it seems to me to answer entirely

to your descr. of *Lowellia*. Clearly it
is not *Dysodia*.

As to those sent in his letter, marked
B, I do not feel sure that they be-
long to the same species. The scales
of the pappus seem much shorter & more
truncate. Possibly this may be because
the flowers are less mature, and
as I see there are many species of
Hymenatherum - in Texas & N. Mex., I
fear to judge.

A. came from vicinity of Cañon City.
As to B he does not say, & I am in
doubt whether from that neighborhood. -
Brandegee has just returned from a
cruise among the alpine summits
of the Sangre de Cristo Range - was
six days above timber line & he gives
the name of Sangre de Cristo to the high
snowy range which rims San Luis Park
on the east & separates the affluents of the
Rio Grande from the southern affluents of the Ark-
ansas. The point he visited - was about

lat. 38° & long. $105\frac{1}{2}$. - I mention this
because Porter in his Synopsis has
wrongly referred to Sangre de Cristo Paps
many alpine species which ^{Brandegee} really ^{collected} ~~came~~
~~from~~ this high snowy range.

If either of these plants be the
Lowellia - I shall of course stimulate
Brandegee to obtain seed for you,
& herbarium specimens also if you
wish them.

Yours most truly
John H. Redfield

P.S. I hope to call on you about
the 16th - long enough to peep at your
herbarium arrangements.

construction of a new genus. I have not yet positively ascertained if the florets be labiale or not. At all events the limb of the ligule is very short, the style exserted & the stamens included in the tubular part below. The opened floret appears thus —  " Then follows his description.

905. Croton ———. I know too little of this genus to even form an opinion!

Of the above list, I send you all the material I have — but you are at liberty to keep any part of it that you may deem desirable.

I also send for your herbarium a very nice specimen of Hoffmannseggia drepanocarpa. H. Janosii I have never seen & would be glad to own.

I also send a basket of plants of which I would like the opinion of Mr. Watson or yourself. Parker has not forgotten his promise of a series of new basket plants for you. I beg also that you will accept a pretty little memorial of the lamented

1 mil^a Nov 12, 1874.

My dear Dr. Gray

I have finished an examination of the collections made by Brandegee during the past season. Among them I find several very interesting things — one or two species which Porter thinks to be new, and several about which I am in doubt. ~~which are to me new~~. I therefore take the liberty of sending a package to you containing the supposed new & the doubtful things — for your examination. The package contains:

884. Ranunculus — which I cannot place. I thought it might possibly be Hb's R. pedatifidus though not quite like his figure. Porter thinks it may be one of the varieties of R. nivalis, notwithstanding the 2-flowered stems.

903. Astragalus ^{Brandege says lotiflorus} doubtful to me. Not sent to Porter.

885. Cryptopsis coloradensis Porter. This Porter pronounces new & says of it, "This was collected (in flower only) by Mr. Coulter last year on Mt. Lincoln at 14000 ft. elev. & referred by me with a good deal

of hesitancy to O. Aralensis, var. pumila, after comparing it with Kell's specimen [under the name of O. arctica], but the latter is so defective having no fruit or perfect flowers, that I could not be wholly certain. Now, these fine specimens, with an abundance of mature ~~fruit~~ pods, show that I was mistaken. It is a new & well marked species which I have named O. Coloradoensis. - Then follows his description.

951. Townsendia ———. The nearest to T. Hendersonii of any description I can find, but in your description of that, you say heads only $\frac{1}{4}$ in. in diameter, & is not the stemmed branching character more pronounced in this? Porter at first inclined to refer it to T. strigosa, but I demurred & pointed out several differences - & on a re-examination he agreed with me that it could not be that, but thought it was pretty certainly T. Hendersonii. I confess - I have hoped it might prove new - for our friend Brandegee's first name being Townsend - he could have no prettier compliment than "Townsendia Brandegeeii".

895. Baccharis ——— So near your desc. of B. Wrightii that I have little doubt of its being that.

1018. Apparently a stunted plant, which seems to me to be an Goa - though not like ciliata.

522. Actinella Brandegeeii Porter

888, ——— " grandiflora Torr. & Gr.

Brandegee this year collected these two plants growing abundantly together, on the same alpine summit. I have always thought they must be distinct. Engelman thinks so, & I ~~do~~ believe that on a further look you will agree.

894. Crepis ———. This I made agree with the C. nana of Porter's Syn. But Porter reports thus; - "Another new plant! A single specimen (imperfect) was gathered by Hayden in 1871 in the Yellowstone region & published in my Catalogue as a form of Crepis nana Richards, - another was collected last year by Mr. Coulter in California Gulch on Mt. Lincoln at an alt. of 12,500 ft & published as C. nana in the Synopsis. The better material now received from Brandegee & more careful study have convinced me that I was in error; & peculiarities in the structure of the florets, its singular habit of growth, & the leaves always entire remove it from C. nana & may require the

Agapris - in the shape of a medal issued
by the U. S. mint. It may not be new to
you - but I think no silver ones have been
issued till now.

Brandegee has done wonders this
year. He has added the following species
to those enumerated in the "Synopsis" of Col. Pl.

Silene Antirrhina L.

Thamnosma Texana

Oxytropis Coloredensis Porter 885

Rubus Nutkanus Macg.

Crataegus coccinea L.

Oenothera scapoidea Nutt.

Arctia nudicaulis L.

Jovansandra ——— ? (951.)

Baccharis Wrightii? Gr.

Hymenatherum aureum Gr.

Crepis? ——— (894.)

Martynia proboscidea

Asclepias incarnata

Blitum glaucum L. var

Obione confertifolia Dougl.

Polygonum Hartwegii Gr.

" *convolvulus* L.

Croton ——— (905)

Juniperus occidentalis Nutt. - Before observed

Juncus palustris L.

Prosartes trachysperma Watson,

Stipa pennata L.

Eatonia obtusata

Glyceria nervosa

Festuca tenella

Aira flexuosa

26 species?

I thank you for the brochure upon *Symphoricarpos* & *Nemacledus*. It which reached me yesterday. I have already made it useful, & find that all my Colorado specimens of *Symph.* must be referred to *S. oreophilus* G.

Since I have started this letter, I have received one from Brandegee, and as he speaks particularly of a *Valedian* collected this year, I enclose the letter, & will hereafter send you a specimen of the plant by mail. I could see no character to distinguish it from *V. dioica*, yet Brandegee may be right. — You will note Dr. Engelmann's remark about the creeps?

I send the package by Express; & now I beg pardon for so long an intrusion upon your time — promising not often to transgress in so great a degree!

Yours most truly
John H. Searfield

Phil^a Feb 28, 1870.

My dear Dr. Gray

May I trouble you to look at the enclosed plant. It came in a small collection sent me by John Muir - from the Sierras in vicinity of Yosemite.

I at first thought of Blepharipappus scaber but it evidently is not that - then of Kellogg's Hemizonia (Polycadenia) plumosa - but it does not answer his description - & where are the ligules? - So I can't place it.

If new, or desirable to you, you will please keep it - otherwise you may return it - as this is the only specimen.

With regards to Mr. Watson, I remain

Sincerely yours

John H. Searfield

Phila May 15, 1870

My dear Dr. Gray

Yours of 14th has come to hand since mailing my postal card of this morning.

The time you name for coming will suit exactly - so far as we can now see - fitting in nicely between some other friends' visits. So we hope to see you & Mrs. Gray - as near the 1st June as is convenient to you - & I assure you we shall consider your visit a favor, And you will be likely at that time to escape the fierce heat, which we are apt to get about the 20th. You must give us at least a fortnight.

Mrs. R. joins me in kind greetings to Mrs. Gray

Yours sincerely
John W. Redfield

Phil^a June 15 1876

My dear Dr. Gray

Returning last evening excessively fatigued from a visit to the great show - I found your letter - and very soon had in my hands - the first volume of an Bot. of California. It was exceedingly kind in you - to turn over your extra copy to me, and I cannot but feel - that there were plenty of people who deserved it more. But I shall cherish the gift - as a mark of your friendship - and beg leave to express my sincere thanks.

I intended to aid the cause by the purchase of a copy - and as I can find plenty of candidates for one - who perhaps may be unable to purchase - please consider my order for ~~one~~ one copy as still good. Please send it to me & I will turn

it over to Brandegee who will make good use of it. Parker also asks me to request you to send a copy for him in same package! Perhaps I may find others who will want it but we won't wait.

The paper & typography & make up of the book - are all superb.

Between this new thing - the new part of Bent's At - the expected Palmer plants - & the Acad. work - I shall have plenty of amusement.

Meehan is the very fellow - to get an article inserted in the Daily Post of this city, for which he writes, I have sketched out a notice to send him - which he can rewrite if he pleases. - I did not intend to trouble you with it - but I had a little doubt about the mode of allusion to the San Francisco gentleman & ~~me~~ mainly for this I submit the article herein.

I am sorry to learn that Mrs Gray has not been well. I hope it will not last - & that we may see her again before she leaves our vicinity. My family all send kindest regards.

Yours very truly
John H. Redfield.

As soon as the cost of the Academy's copy of Gen Plant. #. 2 is known the Lib. will remit for that & for the Bot. of Calif. and I will send the money for Parker & for my second copy - in a day or two.
JHR

Meehan should also prepare a notice for the Gardener's Monthly. And Shubert should have a good one in the Jockey Club's Bulletin.

Phil^a July 5, 1870

My dear Dr. Gray

Thanks for your favor of 1st inst^t (rec'd on 3rd). I was not aware that John Stuart Mill had any botanical proclivities—~~and~~ from your account of his collections, I should believe that they will be an acquisition to the Acad. Nat. Sci. and it is very kind in you to bear us in mind & to offer us the opportunity. — I am only just beginning to know what we have in our general herb — but I am inclined to think that while we have (more pretty well) represented — the specimens are often poor and without proper vouchers. All Indian plants would be desirable to us — we have a collection sent by Wallich long years ago & that is about all.

On the 10th — our Bot. Sect. will meet

& I will informally ascertain the views of the members - & report to you. But I have no doubt - that the Academy will most readily comply with the very easy condition you name - & I will gladly accept the gift on those terms - with thanks for your kindness.

We are just getting our section organized - & some of us feel that the responsibility of starting it right - to be a great one. There will be a good deal of youth & energy which needs to be rightly directed - and some foggyism to be definitely managed! Any useful hints you can give us - will be appreciated. Meehan will be Vice Director (really Director) - Parker Conservator.

We shall need to begin with - say 1000 Gleaners Covers - probably all we can get pay for. I think they will be ordered through you - but would be glad - if you'd inform us what

they will cost us for 1000? We shall then be in condition to decide. - Size same as yours ~~and~~ folded & cut in sizes like yours. Possibly when order is given - we may deviate very slightly in size - will see.

This is the 12th day - in which our thermometer has ranged above the 90° - usually 94° to 90° at 2 P.M. - & 75° to 80° at night. We are so glad - that you & Mrs. Gray escaped this intensity. As for me - I have never before been so debilitated by it. My two girls escaped on Friday - and are now near the Adirondicks.

Mrs. Redfield sends her kindest regards to Mr. Gray & yourself - in which I join.

Yours Sincerely
John W. Redfield.

Phil^a - July 11, 1876

My dear Dr. Gray.

The subject of Mr. Milb. Herbarium was talked over last night - informally, and I may safely say to you - that should your examination of the collection confirm your estimate of its value - it would be to the Academy an acquisition - which it cannot hesitate to accept - with thanks to you & to the representative of Mr. Milb.

As to the genus covers - I now empower you to order for us 10 reams = 4800 covers - cut exactly to your size (in sizes) - or after your way - I brought away from you a sample of yours - which we shall keep as a standard for size.

Thanks for your paper on *Epigaea*, which I have read with interest.

I remember that Meehan touched
on that subject a few years ago,
but I have not had time to look
up what he said.

Our weather continues hot -
- on Sunday reaching 102° - but I
am bearing it much better than
last week, - & feel much more
inclined to N. C. mountains than I
then did. ~~last week~~

With kind regards to Mrs. G. I
remain

Yours Sincerely
John H. Ruffin

Will Mr. Watson tell me what you make of
Bellogg & Harford No 778? I can make
nothing but Nama of it but can't
fit it to either of the species of the Cal.
Flora.

By the way - the book notice - which Meehan
was to get into the Prep - does not

yet appear - crowded out I fear by
Centennial - Fourth of July - & political
conventions. Will see him to night.
JHR

Phil^a Oct 27 1877

My dear Dr. Gray

I have ordered to be sent to you by express - a mica shade which I hope may meet your wants, being the only thing I find that answers your specifications. I find plenty of round mica shades - painted or enameled upon the outside, & on enquiring as to getting up a plain one - find it will take some time - & that the seams of the mica would be objectionable made in that way. So I selected one of the prismatic frames  - to be fitted with mica.

If this is not right - scold me & send it back to me.

I suppose by this time - you are again in the traces - pegging away at the "Flora".

Goodale, Harlow & Watson will next week get notices of their election as Correspond-

ents of our Acad. We all supposed that
they were already such - until a recent
printed list - gave us opportunity to
behold our sins of omission.

Your election I notice dates 41 years ago!

With kind regards to Mrs. Gray

Your sincere friend,
John H. Bedford

Phil^a Dec 31, 1877

My dear R. Gray
) The package of
plants came on Saturday - after my
postal was mailed. I assure ^{you} (tho)
I place a peculiar value upon
the pretty specimens therein contained.
As lovely alpine they are most attractive.
- they are interesting too from the localities
they represent, - and as mementos of
the collectors, they are precious.

I had not before seen any thing from
Torrey's Peck - and I am glad you
were on it. - Shasta too is now for
the first time represented in my herbari-
um.

Thanks for your thoughtful kindness,
& with happy New Year to yourself
& to Mr. Gray. I remain

) Yours sincerely, with a very best
John H. Peckfield

Phil^a May 6 1878

My dear Dr. Gray

The books) have arrived. The
4 copies additional will meet the request of
my postal of Friday. - I feel quite sure
of finding a market for all of them,
& for nearly all, immediately. So to
save you all bother about accounts, I
enclose herein a check for

16 Copies @ 50

80.

Less exp. postage paid 1.00

\$ 78.95

If this deduction for exp. postage be not
proper you will tell me.

I have not yet had time to look at
the book - but reserve that pleasure for
this evening.

Yours Sincerely
John H. Reafield

Phil^a June 12, 1878

My dear Dr Gray

I returned yesterday - & found your package. Conby had taken out his set of Herms. Of the two remaining sets I have taken No. 4 - & have a note this morning from Martindale saying that he will take the ^{other} ~~remaining~~ one. As I shall still want one more set to use by-and-by for exchange - I now enclose check \$22.50 - to pay for three sets {1 Martindale's}, But I am in as hurry for the other set. & it can be sent at convenience. Perhaps when you send it - an extra set might also accompany it - to serve as a sample & temptation - for some other party.

I wrote you hastily from Pittsfield & had not then read Hendler's letter. I thank you for the opportunity of seeing it - for

his personal narrative is quite interesting,
& his history droll to read - though no
joke to him. I hope his ferns will go
off well. I shall want such additional
species as he may hereafter collect.

I find here your card about the
Nuttall letters. I have not forgotten
that matter, and have made two or
three onsets upon the gentleman who has
them in charge - who promised as soon
as the weather should be warm enough
to ~~per~~ permit him to saunter his letter
that he would look them out. But on
the last interview - he thought "there were
not so very many of Nuttall's letters - &
that they were all merely on business matters
&c." But I shall take an early occasion
to stir him up - & I shall meet your
wants if possible.

You were once kind enough to
give me your photograph. One good
turn deserves another - which is my
~~ex~~ excuse for sending herein the

thing of your humble servant.

I left my youngest daughter in Pitts-
field - much debilitated - but cheery
brightened by the mountain air.
Both girls grieved that it was not conve-
nient now to accept Mr. Gray's kind
invitation, & hope that some day it may
be accomplished. With kind regards
to her I remain

Yours most truly
John H. Redfield

Philadelphia, Oct 24, 1878.

My dear Dr. Gray

Mr. Canby has just sent me the news about Shortia - or "old Shorty" as our mountaineer friends call it!

With all my heart - congratulate you! It is a most gratifying discovery, & I am glad it has occurred in your life time. I think Canby has been a little faithless heretofore - hopeless at any rate - but now he will rejoice with you - as will we all! - I am now curious to know by whom & exactly where it was found.

Thanks for the copy of your ^{lecture} ~~letter~~ on Forests of N. Am. - a most interesting & instructive paper.

I have just been reading Munie's Magazine article on the new Sequoia forests. The illustrations are very pretty - does he draw them? - and his articles are always pleasant reading.

Thanks for the printed list of Henders
ferns. If you can spare it I should
like another copy - for my duplicate set
which is to go away. - but if you have
none - I can procure one from Coulter.

Our Acad. collection of ferns numbers
about 900 species - viewed from Baker's
stand point. - And they are now
all mounted!

With kindest regards to Mrs. Gray
I remain

Yours most sincerely
John H. Redfield

So you see Meehan is entirely insubordinate.

If Dr. Nolan should report the discussion for the papers - I will send you a copy.

I was much pleased with your article in the Independent - though I had not previously read Prof. Newcomb's address - which put me at a little disadvantage.

I have been reading with great pleasure - Prof. Joseph Leconte's masterly paper in the Princeton Review (Nov.), on Man's place in nature. You have doubtless seen it.

Yours sincerely
John H. Redfield

Phil^a Nov 20 1878.

My dear Dr. Gray, Well! - I read your caveat at the Academy last evening. I followed it by remarking that on my own part I saw no improbability in the occasional isolated occurrence in the northern parts of N. America - of a plant so common in northern Europe as the *Calluna vulgaris*, & that like many other boreal species which during the ice period we know to have existed in latitudes now too warm for them - but which as the ice retreated - followed it - gradually dying out - but leaving isolated vestiges - so the *Calluna* might readily have Newbury for its most southern vestige - the localities increasing in number as we proceeded north easterly. I stated that it was many years since I had read the published details & discussions concerning these localities, - but that the impression left upon

my mind was that the indigenous character of those localities was pretty well established.

Mr. Meehan then rose & after expressing his regret that you could not have been present at the former discussion - remarked that since that discussion - he had carefully examined all the literature bearing upon the Newbury locality - & those of Newfoundland & Cape Breton, and now did not hesitate to express his opinion - that the evidence so far as recorded was insufficient to prove the indigenous occurrence in either of the places. He referred to the two communications of Sprague to the Bot. Nat. Hist. Soc. in reply to Mr. R. C. - using them in support of the ground he now takes. - spoke of the love of the old country people for this plant as associated with their old homes - & the likelihood of their embracing any opportunity for importing & planting it - said that all the localities specified were near points ~~where~~ inhabited - & in the ~~same~~ case of Newfoundland & C. Breton - inhabited by scots. He referred

to the restricted areas in which it had been found - in ^{single} small patches only - as evidence that its introduction was recent. ~~the~~

There seemed to be nobody else present to reply - so I rejoined that if these localities were the last vestiges of a flora now dying out - just such restricted or limited areas might be expected, - & that it would do to prop that argument - & I mentioned that once upon the top of Mt Mansfield - I had found a single clump of *Diapensia* - & that an hour's search failed to find another - & yet if I had gone ~~up~~ upon mountains somewhat higher - Mt Washington for instance, there would have been no difficulty in finding plenty of it - but if the search had been continued thence northward over the lower country - it would not again be found until the high cold latitudes were reached.

Mr. M. thought the cases not quite parallel - ~~but~~ & that in case of the Calluna there was no such limitation of conditions, - & so the discussion ended. -

Phil^a May 10 1879

My dear Dr. Gray

I find among our exotic
Elephantopus - which I think were not sent
you - specimens from various localities in
Tropical America - for inst. W. Indies & Brazil
Most of these are labeled E. scaber. Am
I right in inferring that you now separate
these - from the E. scaber of the old world
- and do you bring them all into your
E. nudata?

I believe I have already acknowledged
the nice & rare things from Bergueles
Island - & those from Borneo. They will
be laid before the Section Monday evening -
- all mounted, -

I have told Canby that I shall
be ready to join the N. Can. expedition
- providential excepted. The obstacles - that
may prevent - are the precarious con-
dition of my brother-in-law's health.

which may lay him ~~on~~ aside from business -
& the still more precarious condition
of my wife's mother. - ~~and~~ I myself
have a troublesome cough - which I
hope however to be rid of.

The promised new accessions to
the party add attractiveness.

I fear that business matters - may
interfere with my leaving before June 6,
& yet I suppose you ought to get
off ~~before~~ ^{by} the 1st. - In such case
I must join you later - yet I should
be very sorry to miss the Darby &
& Shortia hunt with you. - I will
do the best that circumstances permit.

I will keep in communication
with Canby - as to times & winter &c

With kind regards to Allen Gray - I
remain

Yours Sincerely
John H. Redfield

Although the Borneo ferns - were in bad con-
dition - probably more than half are new to us!
& so most acceptable!

I don't like Eaton's position - that
a plant is to take the specific name
given by the author who first refers it
to the proper genus. Twice has he
taken this ground - or at least favored
it.

And now if we follow him we
must drop the *Dicksonia punctitobula* -
which had its specific name from Mx. in 1803
& adopt *D. pilosiuscula* given by Willd. in 1809.
I can't go it! - I stick to Gray's Manual!

Phil^a May 31. 1879

My dear Dr. Gray

Yesterday I received yours of 29th & this morning I have one from Canby - amplifying the same programme so I shall plan accordingly - and make ready to leave here at 11.45 AM. of Thursday June 5.

Thanks on behalf of the Academy for the package of plants received yesterday.

And special thanks again for your kindness in sending me the series of P. & R. Mexican ferns - from which to make good my deficiencies. I shall not greatly trespass on your goodness; - for Canby - had from his sets - filled most of my gaps. I shall not be able to take them up - till after I turn from Carolina back. Then I will go through them - & hand them to Martineau.

as you request.

Weather hot here to day. The
flowers of *Magnolia glauca* - for sale
in the streets.

Yours in haste
J. M. H. Steele

Phil^a June 30 1879

My dear Dr. Gray

By this time I suppose you must be drawing near the end of your journey. But we are to-day under some concern of mind - fearing that you & Mrs. Gray may have been on the train - which went through the bridge near Wytheville on Saturday morning, and though no passengers are reported as hurt - we cannot but fear the possibility - that you may have been subjected to great shock & alarm.

I hope soon to hear of your adventures through the mountains - under Cowles' guidance.

I trust that you found your boxes at Marion Va. - all right. I left them on the platform there - & handed the checks to Mr. Bowden the station-master at that place - with a memorandum - that

you would call for the boxes in a day
or two.

The only expenses I paid on them -
was to Wesley Garland for taking them on his
back - the 8 miles to the Forge - for which Seale
charged — .50

to which I added a dinner .25
Carriage from Forge to Johnsons 75th / 100 .37

\$ 1.12

3750

I paid nothing on the RR. It was received
as my baggage - yet they may have made
you pay something at Marion.

The departure of seven such pleasant
people on Saturday morning (21st) - of
course - made very large voids on
my social enjoyments. Notwithstanding
I enjoyed the stay through Saturday
& Sunday - & was sorry that you
lost the trout & squirrel-pie - with
which I was regaled.

I left Monday morning - had a horse
to the Forge; had an afternoon there

to look around - reached Johnson City
Tuesday evening - & left there at 3 1/2 A.M.
& staid over in Washington until
8:30 A.M. of Friday. I found my family
all well; - they arrived home only
one day before me.

I found that the party of five
who preceded me down the Tennessee
side of the Roan - left a most
favorable impression upon all
with whom they were brought into commu-
nication.

I trust that Mrs. Gray will return
entirely recruited in strength - & that
you will be strengthened for future
labors.

As for me - I gained every day
while on the mountain - but
felt very strongly the change to the
heats of Washington & Phila.

My kindest regards to Mrs. Gray - & to
the Loring family - when opportunity offers.

Yours sincerely John H. Reelfield

N. B. ^{Steady} this year of
Asclepiad - in ^{revelry}
Phil' Aug 30, 1879

My dear Dr. Gray

Early in the month Canby told
me for you - that I must write an account
of our wanderings - "jolly to correspond
with the actuality with botanical bits"
to which you were to add a few special
notes for printing in Bot. Gaz. or Silliman

Nothing but his persistent urging has
led me to undertake it. for I felt that
any one of the others would do it better,
and I knew I could not satisfy myself
in it. Sargent's pretty little article in the
Naturalist shows how well he could do
it.

However - I have written out
a sort of a narrative such as
it is - have sent it to Canby
to note alterations additions or
expurgings with perfect freedom
- and then send to you - for to

be disclosed by you & Sargent - or
to throw aside.

I'm making up an article for Silliman
or for a Bot. Mag - I could not make
it very jolly - but ~~it~~ tried not to make
it very mournful!

Just after Canby wrote me about
it - Bezgett asked me for an article
^{about the Exp.} ~~and~~ I fear this would be too long
for him - for it will make about 10
ten pages. And it is not wise enough for Silliman.

You must dispose of it as
you please.

Yours Sincerely
John H. Redfield

Phil^a - Oct 7, 1879

My dear Dr. Gray

Yours of 4th just received.
I will take an early occasion to make
out a list of desiderata of Acad. in N. Am.
sp. - say from Lobeliaceae to Asclepiadaceae

I have sent the A.C. excursion to the following
people down "there" - M. E. Hyams

Wallace Bass

L. B. Searle

Prof W. C. Kerr -

The following - perhaps ought to have is - & if
you have spare copies - & think well of it, will
you supply them? Dr. Humphries, Morganton

Sisk - Table Mt

Capt. Jenkins - Glendonro

Col. Wither - Chelanoga

I have supplied the circle of botanists belonging
to the Acad. Beyond them have only sent to Davenport
- Williamson - Brandegee - Porter - Parry - Muir &
Knipe. -

As I get mem. of cost from Bezzelt

will notify.

Will send the Solidagos - as soon as
you are ready for them - and glad of
the chance - but what a perplexing
muddle you will find them! - It is
inflicting upon you much irksome labor.
Only remember that any genera in our
collection - which you desire to look at
are at your service.

The Pittsfield ladies must acquiesce,
indeed knowing your burden of labor they
could hardly expect otherwise. -

Yours sincerely
John H. Raffield

Redfield

Phil^a May 17 1880

My dear Dr. Gray

I find no mention of *Dichondra* in California - neither in Bot. of Calif^a or elsewhere

But I have just found in Academy's Herb - a specimen - with Nuttall's ticket affixed " *Dichondra asarifolia*

St. Diego. U. Calif "

which seems to me to be just *D. repens*. If really from San Diego - is not strange that Cleveland and other collectors in that region have not stumbled on it? - I conclude to send the specimen - herein for your inspection.

The Sparkler has doubtless send you his last remarkable production! I trust your good constitution has enabled you to survive its perusal. In my "feeble" case, the result was for a time doubtful.

When do you & Mrs. Gray leave

for Europe?

There is a chance that Mrs. R
& myself may visit Boston, Amherst
& Pittsfield in June - & we hope
it may not then be too late to see
you.

Yours as ever
John H. Redfield

As to the *Dichondra* - I thought of *Coum*
culus ~~at~~ *Soldanella* - but this ^{specimen} surely
cannot be that.

Redfield

Phil^a June 8 1880

My dear Dr. Gray

Clara & myself reached home on Saturday evening, leaving Mrs. Redfield to follow three days later.

We all enjoyed our visit in and around Boston, more than we can tell; and cannot forget the kindness of our friends which made it all so pleasant.

I find a letter here from Brandegee enclosing a plant (composite) which seems to ~~you~~ have puzzled him, and which I cannot place. He says of it "It grows around springs, erect, hollow-stemmed, and is a vernal composite, a companion of catkins and columbines; no radical leaves seen".

I enclose one of the two plants sent me. It reminds me a little of *Senecio lugens* - but its involucre is very different. And its very long slender flowers - with equally long pappus - look strange to me! And if I mistake not - the capillary ~~for~~ pappus

is gathered into bundles at the base - or fascicu-
late.

I shall be glad to know what you make
of it.

With kindest regards to Mrs. Gray
& to Mr. & Mrs. Jackson & to your niece.

Yours sincerely

John H. Redfield

Brandegee is at work on the Sawatch Range
between Mt. Princeton & Mt. Antero -
height 10200 feet. Plant collected May 22.

Kentfield

Phil^a July 27, 1880

My dear Dr. Gray

I am always reluctant to intrude upon your time by sending plants for determination - and do it only when they are plants which I think you ought to see.

Our good friend Brandegee has recently sent me some alpine - from high up in the Sawatch range. The Gravas seem to me peculiar and I cannot place them - & there are one or two other questionable things - so I just send the whole lot as received.

Of course you will keep whatever you desire.

Your card was received yesterday. On many accounts, I should be very glad to attend the Aug. meeting of the Acad. Soc., but do not think it will be practicable, and shall probably have to deny myself the pleasure of a personal adieu - but when you go - you will

Take with you no heartier good wishes
for the welfare & yourself & Mrs. Gray
than I and mine shall send. So
with thank I remain

Yours sincerely
John H. Redfield

Philadelphia, Aug 31, 1880

My dear Dr. Gray

Now that the Association meeting has passed, and you are on the point of leaving us, I cannot let you go without a word of farewell, which since it could not be spoken in person - must go to you in this way - and goes with all the earnestness and sincerity with which I could say it while grasping your hand.

That you and Mrs. Gray may have a prosperous and quiet voyage - and that all your stay abroad may be enjoyable and profitable for health and service - and that you may both return to us rested, refreshed and strengthened, is the hope and prayer of each member of my family.

I have to thank you for a copy of your notice of De Candelles' Phytography received last week, which has been read

with pleasure.

Whenever you can do any thing abroad
- at Kew or elsewhere to help the interests
of our Academy, I am sure you will
do so.

I hope that now and then we may
get some word, directly or indirectly,
that may keep us apprised of your
movements and of your welfare.

And so good-bye to
you both, from your sincere friend
John H. Redfield

Mrs. Redfield & the girls wish me to add
a stronger expression of their good byes than
I have made - both to yourself & to Mrs. Gray,

Phil^a Nov 8 1880

My dear Mr. Watson

Presuming that you are returned from your western journey, I take the liberty of submitting to your examination a few alpine plants collected this past summer by J. S. Brandegee in the Sawatch Range, Colorado - in the vicinity of Mts. Princeton & Antero.

I sent flowering specimens of the *Drabas* to Dr. Gray - in July - who said that he must leave them for you to look at. ^{asking for fruiting specimens.}

I had a letter from Brandegee giving some notes respecting them - but cannot now find it. Possibly I may have sent it with the first *Draba*, - I do not remember whether these were numbered - but if so - the numbers with these are unrespectable of them.

There is ⁱⁿ this sending a very pretty *Lychnis*, which I should refer either to *L. Parryi* - or to *L. elata*, but I have not

had sufficient acquaintance with the auricles
of the petals of these species to decide

The *Oxytropis* with inflated, short pods
looks like one sent by Brandegee a few
years ago from Sangre de Cristo Range,
~~& which Dr. G.~~ which Porter was inclined
to consider new, (calling it *boloradensis*),
but which Dr. Gray referred to *O. podocarpus*.
These fuller specimens may help.

The other *Oxytropis* with deflexed
pods - I referred to *O. deflexa* - but
Brandegee insists that it is different
from that - & that ~~the~~ the habits &
growth are entirely different.

You will of course keep any
of these things you wish - and if
any surplus beyond your needs, return
to me.

Hoping that you have had a
pleasant & profitable summer, I
remain

Yours truly
John H. Redfield

I send the package by mail.

more fully and effectually answered on the spot. I mail you now - his own full report of his remarks - which perhaps he may have himself sent you.

Young Dr. Schimper is in this country - to take a place in the John Hopkins' University. He called to see me with a letter of introduction from Rothsch. Unfortunately I was out - and was then serving a term of jury duty, & so missed a second call. I hope to see him here next month.

Mrs. Redfield & Clara send their kindest regards to Mrs. Gray & yourself, in which I of course join. I enclose for Mrs. Gray - my holiday token of remembrance.

I feel a little guilty in intruding this gossip upon you - to the interruption of your work - & yet I fancy you will not be sorry to get a word or two from ~~the~~ your well-wishers upon this side of the

I remain most sincerely yours,
John R. Redfield

Phila Dec 13 1880

My dear Dr. Gray

Very pleasant was it to see the familiar hand of your letter from Paris, and to learn from it that Mrs. Gray had recovered from the effects of the sea-voyage, and that you both were enjoying your play-spell. Indirectly we have since heard briefly that the journey to Spain had proved prosperous & pleasant, and that now you are again settled at New.

Perhaps I have not now enough to say, to justify me in writing - but I feel that I ought to thank you for your letter, and moreover I want to express to Mrs. Gray our grateful appreciation of the many kindnesses and courtesies which her relatives have extended to our daughter Lila - during her stay in Boston. She writes us in the most enthusiastic terms of the kindness of these & other Boston friends.

I fear that Dr. Schimper has returned.

She is enjoying her work there, thinks she is making satisfactory progress - is pleasantly situated as to her boarding place - and our only fear is - that she is becoming so fond of Boston - that Philadelphia will no more content her. Miss Gray has been very kind to her, and has helped to make many little things pleasant for her.

As to botanical news - it seems to us as if the absence of Watson Sargeant & Engelman all the season - has left us without any. and we are glad to hear that one by one they are returning. I had a pleasant little note from Sargeant a day or two ago accompanying some photographs of Oregon conifers - for the Academy. I learn that he and Engelman have had a delightful time as the phrase is. I hear that Watson will be home about this time.

The Acad. has received the 2nd Vol. of Bot. of Calif. through Westernman - I have written to Prof. Goodale to know if we can

have the same arrangement about the supply of this volume to our circle here - that we had with you in regard to the first, and he has referred the question to Prof. Whitney.

I had recently a letter from Rothrock. He is still at ~~Bro~~ ^{Stratford} Stratford, studying with De Bary - and is very enthusiastic about the instruction there - has been working mainly upon the lower cryptogams. He returns in Jan - & says he fears he may not have time to see you.

The position of teacher of natural history in Lyman College recently became vacant, and some of us have been strongly urging the appointment of our young friend Scribner (the student of grapes - I have spoken of) to the post. The President of the College favored it - and he was strongly backed. But the Board of Trustees or its Committee (many of them politicians) decided to put in ^a Dr. Kime - who I imagine has far fewer qualifications than Scribner.

I don't wonder that Mechan Timberline excited you. He certainly astounded us - and I can only regret that he was not

Phil Feb 15 1881

My dear Mr. Watson

I have to thank you for your great kindness - in looking over the little lot of Brandegee's alpinos - amid all the multifarious demands which are made upon your time - and amid the accretages of work which must have accumulated in your absence. - Appreciating the value of time I am always reluctant to make demands upon that of others - but in this case the desire to encourage Brandegee in his searches - & the hope that there might be something new among his sendings - led me to trouble you. Next year his engineering work - will take him over on the west slope of the Sawatch Range - in the Gunnison River region - where I hope he may find something new.

But I venture now to trouble

you with an enquiry. — We have soon to decide upon a plan for arrangement of our mounted mosses lichens & other lower cryptogams at our Academy. And I want to ask whether at the Cambridge Herbarium you use full sized standard paper for that purpose — or whether you cut into smaller sizes — and use smaller pigeon holes — We are anxious to begin right — so as to have no work to undo. If you use small paper — what do you do in the very ^{few} cases where mosses & other things — need full sized paper.

Yours truly

John H. Redfield

P. S. It is not right that you should stand the postage on the returned plants — & it is enclosed herein.

Copy

Philad^a, May 19/
1871

My Dear Mr. Conley,

I give you now the result of my meditations on the matter of the Palmer plants. I have not heard from Washington, but these are my conclusions.

1st. That there can be no claim on any of us to depart from the terms of the contract as originally made - and if there is any change it must be a matter of grace - done for the benefit of science. (Of course! but rather a question of good interest than of "grace". - S.W.)

2^d. If Kew is to be accommodated with a full set - the proper course is to move each of the remaining subscribers down one notch. To this I think we there would all agree - and the consideration would be - the value of authentication naming for the whole collection - and the satisfaction of aiding Kew - & perhaps obliging Dr. Gray. But to ask any one of the early subscribers to move

down 8 or 10 steps, is unreasonable. ~~The diff.~~ (It was not asked. It was only suggested, and with a supposed excuse, which should have been more plainly stated. - S.W.) The difficulty I apprehend attending the plan of moving each subscriber down one notch, is that it requires the assent of all the names standing above Kew, & it may perhaps be impossible to get this assent from some, especially the European subscribers, who will not see why they should yield to Kew. Yet the lower subscribers would suffer little by this change - at any rate less than is asked of one of us.

3^d. If the preceding suggestion cannot be carried out, I will consent to the following plan. As I make no collections for myself outside of the fields to be covered by Gray's flower, & as my main object in subscribing was to benefit the Academy, to which I expected to give all extra-limital species - I will be the *Quintus Curtius* & jump into the gulf - in other words I will take the Kew list in place of

my own - provided that Mr. Watson will arrange that for the difference in the number of species between this list and mine, Kew shall send to the Academy an equal number of species of later collectors from regions not commonly represented in collections and of species not common.

I am moved to this offer by the consideration that it will be no personal loss to me - may aid the Academy equally well, & will do something towards obligations under which Dr. Gray has placed me.

Now I leave you to fix all this with Watson & Palmer as you think best. I wish that the Academy may in any event have the good will of Kew - for it is in the power of those gentlemen to aid it most materially.

Yours Truly
(Signed) John M. Redfield.

1st Hil^a. May 24, 1881

My dear Mr. Watson

I have been out of town for 24 hours - and my time much engrossed for many days - with some sad duties. I find a note from Canby now, in which he tells me that he has written to you again about the little hitch that has arisen about dividing the spoils - I think that he now feels that he was unduly disturbed by the proposition as it first struck him - and which possibly was not presented in the best way. I hope he will not insist on withdrawing from the partnership - and I think that he will not further urge this. We all want to do what is best for promoting the interests of science. And I again repeat to you what I had said to him - that inasmuch as my share in this enterprise was actuated by a desire to truly benefit our Academy

(for I myself collect as extra limited species)
I am willing to let my set go to Kew
and take theirs, only stipulating that
you shall ask them to try give the
Academy an equivalent for the difference
in number of species of the two sets
— in species likely to be new to its
collection.

In short I desire "componere lites"
in some feasible way, and I am very
sorry that this little ripple has arisen,
and I hope now that all will be
satisfactorily settled.

Yours in great haste
John H. Seafeld

Phil^a June 1, 1881

My dear Mr. Watson

Your letter arrived yesterday - & I have delayed reply a day in order to hear from Garby, which I have just done. He keeps set 2, - which sets the whole matter at rest. - No 3 (my original set) should have been the one to go to Kew - but no matter - the difference is little between that & 4.

I feel a little as if I ought to send the price of the full set - for if the Kew people make up the difference in plants - they ought not to pay the full price. But that view looks like somewhat like insisting on an absolute stipulation - which I should not wish to ~~do~~ do. So I enclose check for bel. of price of set 10 - \$48. - and if the Kew people think fit to remember our Academy when they get any duplicates of good things - it is all well & good. - If however

you think it would be more proper to put it in the other shape - I will send another check - for the \$41.

I am afraid I shall groan a little whenever I come on of those 400 gaps! - but I will comfort myself with the thought that they are in good hands. Garby will occasionally help us out - if where his representation is sufficient to permit it.

The boxes have not yet arrived, but I suppose will soon be 'along'.

I am ignorant of the exact field which Dr. Palmer covered in this last tour - I would be glad to know something of it.

I have two or three curious things from Brandegee which I wish to submit to you - but as they are not at hand - I will make them the subject of another letter.

Yours truly,
John W. Cressfield

Phil^a June 3, 1881

My dear Mr. Watson

I enclose for your inspection
the few plants alluded to in my last, collected
this spring by Brandegee.

No. 1 - Ranunculus

2 "

3 ?

I cannot satisfy myself about either of the
Ranunculi - & No. 3 - I cannot recognize,
& my den is just now in painter's hands
so that I cannot ~~work~~ do any careful work.
I send all that he sent me. You will
keep what you desire & send me
what is left. Brandegee tells me there
is plenty of Corydalis Brandegei there.
I shall write him to say that he must
make good specimens for us all.

The Palmer boxes have not yet appear-
ed. Please mention the line by which sent
& I will enquire for them.

Yours truly John R. Keasfield

Phil^a June 22 1881

My dear Mr. Watson

I have to thank you for the determinations of Brandege's little things - which came back all right

I now enclose what seems to me to be a form of your *Galium* ^{bifolium} ~~bifolium~~ though the stipular leaves are larger than in your figure. It was collected on the divide between Ohio and Anthracite Creeks - in the Elk Mts. Western Colorado.

Now that Brandege has got over into the Gunnison R. drainage - we begin to see - as we might expect - a sprinkling of the Ute flora - and we shall have many additions to the Colorado list

Yours truly
John H. Reelfield

Phil^a July 27 1881

My dear Mr. Watson

I mail you to day - for inspection
a few things - recently received from Mr.
Brandegee - collected in the Elk Mts.
Colorado - which I should be glad
to have your opinion upon.

With these are two specimens of
an Iris collected by Mr. Fitzgerald
of Baltimore - who has just sailed for
Europe - and desired me to submit
them to you. They were collected he
says in the ~~Elk~~ Mts. of N Carolina, and
he insists upon it - that they are quite
distinct from either *I. cristata*, ~~and~~
I. verna. - says they were pure white
with a yellowish center - and very fragrant.
They have some likeness to *I. lacustris*,
but surely it would be strange to find
that on the Alleghanian summits -

I do not suppose that these waifs of
Brandegee - are of much importance

but ~~you~~ I desire to encourage him - for
he is now getting into a region not often
explored botanically - & may make
some time a happy striker. He
has found Aspidium Louchitii in
the Elk Mts. of Colorado - I think the
first seen in that State.

He also sent a Composite closely related
to Leontodon - & perhaps that genus - with
linear grass-like leaves - which I
have unaccountably mislaid.

You will of course "impound" any
of these things you desire.

Yours truly
John B. Redfield

have pencilled my determination.

Aspidium aculeatum - but further exploration
will doubtless reveal others. During
my visit in the Catskills - in crossing a
stony hill pasture near Tannersville - two
miles away from hotels & resorts - and at
about 2500 ft. above tide - I found growing
abundantly all over it, a *Hieracium*
which was new to me - and which I
was told was beginning to annoy the
farmers by its rapid spread. (by means
of its prolific runners). On getting to my books
I find it to be *H. aurantiacum* - and
I fear that it has come to stay. The Torrey
Club boys have noticed ^{it} a few years ago
on Staten Island, I am not aware of its
being seen at any other points.

One other botanical item - and I
have done. In going over the *Plantagos*
(N. American) of the Academy not long since, I
found Pursh's specimen of his *P. elongata*
marked as collected by Bradbury - and ticketed
in that usual hand which I suppose to be Lambart.
In the Synopsis - you say ~~the~~ the plant is unknown
& suggest that it may prove to be a glabrate form
of *P. Patagonica*. You will therefore be

Phil^a Wednesday evening
Sept 7, 1881

My dear Dr. Gray

Although the therm. in doors & out - at
this moment stands at 89°, I ~~am~~ will no longer
delay an acknowledgement on my part of your
very kind joint letter to Canby & myself giving
an outline of the lovely tour made with
Mrs. Gray through Italy, Switzerland & France,
and of your history & plans down to date
of your letter. Thanks for your kindness in giving
us somewhat of a share in your pleasure
and that too amid so many demands upon your
time. In your letter you spoke of a return
in Oct. or Nov. but Canby has since ^{heard}
from Watson that you have been persuaded
to extend your stay until spring. Much
as your friends ^{here} may desire to see you - I
am sure none of them will consider the
time spent abroad as misused.

Yesterday - our suffering President - ~~and~~
(your good friend Mr. Garfield) - was removed
to Long Branch - none too soon we now

think - for this day has been one of fearful
heat - my thermometer both stood at 101° at
2 P.M. - & did not drop below 100° till after
5 P.M. - The hottest day since July 9, 1876.
We feel so thankful that the President is
out of the stifling heat of Washington - and
we feel renewed hopes of his recovery. I
well remember the pleasant recollections which
you & Mrs. Gray brought from Washington in
regard to Garfield - on your return from the
Benny memorial meeting - hence - when
we succeeded in electing the good man
as President - I thought of you - and when
he was so wickedly stricken down - I thought
of your grief. O how this people has learned
to love him - and how they are every where
and continually praying for him! Nothing
has drawn the hearts of our people so warmly
towards the Queen of England - as the tender
of expression of her sympathy for Mr. Gar-
field in his trial.

Our family history briefly - since my last:
Lila was summoned from her studies in
Boston somewhat prematurely by the sudden

death of her cousin Mrs. Outerbridge - daughter
of Geo. Whitney. Mrs. Redfield with Clara &
Lila went to S. Minniewaska at end of
June - to avoid the Phil. heats. The mountain
air did not seem to suit Lila - who grew
weaker while there - so about end of July
Mrs. R. took Lila to Pigeon Cove to get
the benefit of sea air leaving Clara
at S. Minniewaska. The change seemed
to benefit her - & they remained there
until last week - when they returned here
as it now seems all too soon, Clara
has joined her brother on a little trip
to Dixville Notch, Lila plans to take
another year study at the Boston Art
School - & we hope her strength will hold
out - but we feel a little anxious - her
health is so delicate. My only relaxation
during a very busy year - has been a few
days with my family at Pigeon Cove - and
a few at Hunter in the Catskills with my
niece. A narrow-gauge railroad is now
piercing Stony Grove in the Catskills and
is spoiling one of our localities for

interested to know that it is certainly
Nuttall's P. pusilla. And in the Herbarium
is ^{another} ~~a~~ specimen of P. pusilla - tickled
in Nuttall's hand - when the latter first
wrote elonga ~~ta~~ - then erased it & substituted
pusilla.

I do not know that I have any other gossip to
communicate, I have not seen Comby recently -
but he was well at last night - & no doubt he
has replied to your letter - & told you of his
enjoyable journey to Caesar Head & Roan Mt.
Rothrock is away on his vacation - I do not
know exactly where. He is now a full Professor at
University of Penn - his salary raised to \$1200.
I think the Acad. helpers frighten them into this.
Meehan went to the Cincinnati meeting
of Am. Assoc - I have not seen him since
his return. Martindale has not been well
this spring & summer. The fact is that he was
killing himself with overwork - twist his bank-work
& his enormous botanical exchange work & accumulation.

Please give to Mrs. Gray the kindest
regards of my wife & daughters - taking your
own due share - in all of which I join

Yours sincerely,
John H. Deakfield

Phila Nov 12 1881

My dear Dr. Gray

Knowing that you were to leave England on 26th ult - & so inferring that you landed from one of the steamers which reached Boston about Sunday last - I venture to send you a hearty greeting - as well as to Mrs. Gray. I hope you had a comfortable passage - yet I feared it would be otherwise - for most of the steamers have reported terrible weather - while we were having such delightful October days.

I feel a little reluctant at troubling you so soon - but yet I am going to mail to you - to-day or Monday, 6 or 8 Composites recently received from Brandegee - which to be are a little doubtful, but which your sure eye will no doubt properly place.

In the package is a Rudbeckia

of which I had before sent a specimen
to Watson. That was hardly mature.
This is quite so - and it puzzles me
so much - that I hope it is undescribed.
At any rate I cannot think it to
be occidentalis - and its long
cylindrical receptacle of nearly
three inches - is extraordinary.
Take your own time for looking
at them.

I have to report my own family
all well, (Gila being in Boston) - and
at last sight Carby & Rothrock
were all right too.

Give to Mr. Gray the congratula-
tions of us all for having survived
the tossings of the angry ocean.
In spite of it all - what pleasant
reminiscences you will both cherish!

Yours sincerely
John W. Redfield

Keene

London, 5, Henrietta Street, Covent Garden

Sep: 2nd 1855

Dear Sir -

I have the pleasure
to send, in reply to your
favour of the 20th ult^o,
an account in detail of
the books forwarded per
Mess^{rs} Tinsley & Co of London,
all of which I trust have
duly been received.

We have commenced
printing the concluding Flora

of Dr. Hooker's Botany of the
Antarctic voyage, namely,
the Flora of Van Diemen's
Land. Shall we have the
pleasure of forwarding the
Nos to you, in continuation
of the work? Dr. Hooker
is at this moment gone
upon an excursion to the
Tyrol. On his return he
proposes to settle at Kew in
the appointment which has
lately been founded by the
Government for him, as

Keeper of the New Museum
and Herbarium.

Dr. Scumacher proceeds but
slowly with the Botany of
the Herald, but I look
forward to its being com-
pleted by the Spring. He
has just married, and gone
to Germany for a wedding
excursion.

I am, dear Sir,
Yours faithful Servant
Lovell Reeve

To Dr. Asa Gray.

5, Henrietta Street, Covent Garden,

London, W. C. Feb. 15/60

My Dear Sir -

In reply to your
favour of the 23rd ultimo
enquiring if B. D. Greene
Esq has had Dr. Hooker's
Flora Novo. Zealandiae,
I am happy to say that
he has not had it; and
it would give me great
pleasure to receive an
order for this and for the
Flora Tasmaniae. The cost
of these works has been

much augmented by the large additions made by the author to the original plan; but they are of the highest value to botanical science, so that I have not hesitated to respond to Dr Hooker's requirements.

The following are the prices of the Floras done up in cloth:—

FLORA OF TASMANIA. A History of the Plants of Tasmania. By Dr. J. D. HOOKER, F.R.S. Two Vols. 4to, 200 Plates... £17 10s.

FLORA OF NEW ZEALAND. A History of the Plants of New Zealand. By Dr. J. D. HOOKER, F.R.S. Two Vols. 4to, 130 Plates, £12 12s.

Should they be required to be half-bound, say in half morocco, cloth sides, they would cost each £1 more.

We have forwarded to Messrs. Tinsley the concluding Parts of J. Tasmanix Part 10 and 11 and also two copies of Grisebach's West Indian Flora.

I am, dear Sir,
Yours faithful servant
Lovell Reece.

Dr Asa Gray.

5, Henrietta Street, Covent Garden,

London, W. C. Mar 23/60

My dear Sir,

I have forwarded to
Mess^{rs} Hubbard the copies
of Dr. Hooker's N. Zealand
and Tasmanian Floras
for D. B. Greene Esq; and
do myself the pleasure
to enclose the bill, made
out, as desired, separate
from your own.

I am, dear Sir,
your obliged servant
Lovell Reeve

letter to Mr Bentham's
house, but he is at
present on the continent.
He returns, I believe,
shortly, when I expect
to complete an arrange-
ment, which I have
under consideration,
for the publication of a
flora of Hong Kong, to
be followed by some
other floras of our
colonies. Dr Hooker
talks of ^{the} Canada Flora

5, Henrietta Street, Covent Garden,

London, W. C. July 25/60

Professor Asa Gray,

Dear Sir -

I have the
pleasure to acknowledge
the receipt of your letter
enclosing bill on Messrs
Tubner for £24-16-0,
and am much obliged.

After placing this to
your account I shall
have a credit in your
favour of £9-13-10.; and

I have, therefore, this sum
at your disposal.

Would you do me
the favour to repay
yourself a portion of it
by drawing £4-10-0
due to me, as per en-
closed invoice, from
B. D. Greene Esq?

I have also a similar
sum due to me from
Daniel C Eaton Esq of
Yale College, Newhaven,

Connecticut, but that,
I fear, may be incon-
venient to you to procure.

I have forwarded
new copies of ^{v. 1 of} Gieseback's
W. I. Flora; and with
many thanks for your
kind interest in promising
to review the work in
Silliman's Journal,

I remain, Dear Sir,
your obliged servant
Lovell Reeve.

I have forwarded your

quickly with the printing of
Vol. 2.

I am, dear Sir,
Yours faithfully
and obliged
Lovell Reece.

Professor Asa Gray.

^{Reeve}
5, Henrietta Street, Covent Garden,

London, W. C. June 13/64

My dear Sir.

I have this day re-
ceived payment from the
British Museum of the two
collections of Botanical
specimens advised in your
letters of Feb. 29 and April 11,
namely —

6	-	12	-	0
4	-	8	-	6
11	-	0	-	6

Of this money I have
placed £3-12-0 to credit
of Mrs Greene (receipted
invoice enclosed) and the

remaining £7.8.8 to credit
of your own account.

For both of these be pleased
to receive our best thanks.

We have not yet had the
pleasure of receiving a call
from Mr Eaton.

The delay in the payment
of the Museum accounts
has, I believe, been owing
to the absence, from illness,
of Mr Bennett. I am happy
to say that our excellent
friend is now much better,
and returned to his duties.

As you may wish to know
how the Colonial Floras are
progressing I add a line to
say that Dr. Friesbach's west
India Flora is now all in
type, excepting Title and Preface,
and will, I hope, be com-
pleted in a few days.

Of Dr. Hooker's new New
Zealand Flora the flowering
plants are just completed
and we expect to publish
that portion of the work as
Part I. also in a few days.

Of Mr Benthams Flora Aus-
tralianis we are proceeding

Dear F,

Return - !

I shall I pray this
for you!

I am quite ready,
Exchange with Hawley
he loves them
more.

A. G.

26^r.

Dear Dr.

You are very
kind - Please
pay it for me -

I am moving
into my new
quarters - &
am all up -
side - down -

Ever yours

A. G.

28th.

5, Henrietta Street, Covent Garden,
London, W. C. Apr 10/85

Dr Asa Gray

Dear Sir -

Enclosed I beg
to hand you statement
of account to the end
of last year as follows:-

Journal	10-5-8
Subscription	3-3-0
	13-8-8

In your letter of June
1884 enclosing the last
accountance you men-
tioned that Mr Eaton

was coming to England
and would probably
call upon us, but we
have not seen him

Of the Giesbach's Floras
changed to you we
believe one copy was
for Mr. Eaton.

Along with this I
send copy of our latest
catalogue which con-
tains particulars of

other Floras which
you may like to
possess.

Hoping to have
the pleasure of hearing
from you

I remain dear Sir
your very obed^t servant

Lovell Reeve.

Petersbourg le 15 Juillet
(27) 1859

Monsieur !

En vous remerciant infiniment
pour votre envoi de livres, je vous
envoie un croci que vous recevrez
sous peu par la Chancellerie de
notre jardin. Vous ~~avez~~ la-dessus
trouvez :

- 1, Quelques brochures de ma part.
- 2, 390 espèces de plantes sèches
de l'Asie.
- 3, 304, ————— de l'Asie.
- 4, 82 ————— de l'Asie orien-
tale.
- 5, 163 ————— de l'Asie.

J'espère que ces plantes pourront
remplir quelque vide dans votre
herbier. En cas que vous en fiez
en disposition soit des collections
de plantes sèches, soit d'autres objets

conocnables pour un Musée botanique,
veuillez bien nous les faire parvenir
sous l'adresse: "Jardin botanique
impérial de St. Pétersbourg par
médiation d'un consul de la Russie,
et veuillez de m'en donner l'avis.

Je me réjouis d'avoir l'occasion
de renouveler **les relations** entre
notre jardin et vous. Veuillez
de m'écrire toujours en anglais
mais permettrez moi de répondre
en français.

J'ajoute aujourd'hui la liste
des livres dont vous êtes l'auteur
qui se trouvent dans notre bibliothèque.
~~Je vous prie~~ Veuillez de nous remplir
le vider. Je planter sècher je
vous prie principalement, de nous
communiquer les plantes nées
de l'Amérique brésil.

Avec Mon respectueux l'assurance

de la parfaite considération
de votre dévoué serviteur

E. Regel

Dr. E. Regel, Directeur
scientifique du jardin
botanique impérial à
St. Pétersbourg.

SOCIÉTÉ RUSSE D'HORTICULTURE

à

ST.-PETERSBOURG.

22 Oct. 59

Mr. Alex Gray at Cambridge.

Monsieur

Nous avons l'honneur de Vous informer, que la Société Russe d'Horticulture à St. Petersbourg, en considération de Vos nombreux services, rendus à l'horticulture et suivant le § 8 de ses Statuts, sanctionnés par Sa Majesté L'Empereur, Vous a élu membre actif de la Société.

En Vous faisant parvenir ci-joint le Diplôme au titre de membre avec un exemplaire des Statuts, nous osons espérer, que Vous ne

refuserez pas, Messieurs, de coopérer
aux buts de la Société.

Veuillez, à cette occasion, agréer l'as-
surance de notre parfaite considération

Au nom du Bureau

N. Schallerer, Secrétaire

Monsieur

Vous recevrez le diplôme et les statuts de notre
société inclus dans la caisse, contenant les plantes
pour vous, enfon partie d'après quelques jours.

Veuillez recevoir de moi cette assurance que
notre société est heureuse d'avoir parmi ses membres

les noms de hommes qui représentent le plus

honorablement l'horticulture et la botanique. Avec

notre Moniteur est votre nom un des plus impor-
tants. Je vous envoie le Journal de notre

société, lequel se paraître sous peu. Vous vous

lierez par l'intermédiaire de Mr. Ferd. Enke, libraire
à Erlangen, ce vous ne proferez de m'indiquer un

autre chemin, comme par l'Embassy des
états unis à St. Pétersbourg.

Je vous prie d'envoyer à notre jardin les plantes
riches ou de graver, veuillez les envoyer sous l'adresse
"Jardin impérial botanique à St. Pétersbourg" et
de me donner l'avis.

Agréz l'assurance de ma parfaite
considération de votre dévoué et collègue

Dr. E. Regel,
Vice-Président de la Société
russe à St. Pétersbourg
et directeur du jardin botanique.



2/11

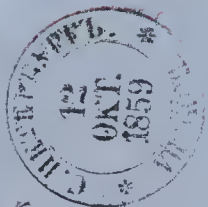
franco

Mrs. Fox Gray

at

Cambridge

(North-Amurston)



9/11
L c m

Amud

Petersbourg le 13 Janvier

1860

Monsieur!

C'est déjà bien long temps que j'ai reçu votre
aimable lettre du 3 Août 1860 et les livres que vous
m'avez annoncés. J'avais déjà mis à part
pour vous quelques collections de plantes sèches et
une partie de livres destinées pour vous, mais M^{rs}.
Bracht et Comp. m'ont retourné la caisse, parcequ'il
n'y avait pas de vaisseaux, qui feraient encore le voyage
avant la fin de la navigation.

Pour les prochains prochains vous recevrez avec
l'un des premiers vaisseaux par M^{rs}. Bracht et
Comp. une caisse contenant des plantes sèches pour
vous et pour Mr. Engelmann, quelques livres et
une collection de graminées.

Par les livres sur la botanique, qui vont paraître
dans la Russie, je tâche de vous les envoyer tous
dans l'avenir et si vous en avez encore besoin, concernant
des livres qui vous manquent, je chercherai de vous
les acquérir. Est-ce que vous possédez "Flora kavkazskaya"
de Turczaninoff, ou souhai-vez-vous de
recevoir le Bulletin et les Mémoires de la Société
des Naturalistes à Moscou?

Je vous remercie infiniment pour la riche
collection de livres que vous m'avez envoyée.
Je regrette seulement, que le I volume de Paeff
Pach. . . manque, se jamais vous serez en

état de me le prouver encore, vous m'oblige-
rez infiniment.

De la collection de plantes sèches déterminée
par Grisebach veuillez m'envoyer les fascicules
que vous m'avez destinés. Pour cette année je
puis disposer jusqu'à la somme de 100 Dollars
et en conséquence je vous prie de m'envoyer
cette année jusqu'à 10 cartons. De cette collection
que je vous payerai immédiatement après la
réception.

J'attends de même les plantes sèches de
l'Amérique boreale, que vous avez eu l'obligeance
d'envoyer pour notre herbier et de mon
côté je continuerai de vous envoyer en échange
toutes les collections de doublettes dont je puis
disposer de la part de notre herbier.

Veuillez recevoir l'assurance de ma parfaite
convinction avec laquelle je reste.

comme votre dévoué
collège.

E. Meisel



Monsieur

Monsieur

Ac. Gray

Inspector

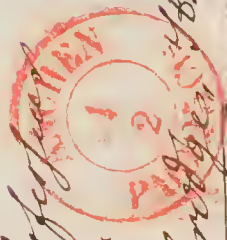
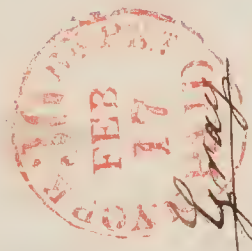
a

Cambridge State

Massachusetts

United States

France



St. Petersburg le 20 Mai

(Gouin) 60

Monsieur et ami!

J'ai bien reçu votre agréable lettre de 23 Jan. 60.
Continuez j'en suis sûr de m'écrire en anglais, que
je comprends bien, sans l'écrire so-so même.

Aujourd'hui va partir une courbe pour votre adresse, continuant:

1, un paquet de graines de planter de notre jardin
et de l'aimour etc.

2, les catalogues de graines de notre jardin vous
pourront de nous communiquer vos semences.

3, Beiträge zur Pflanzenkunde in Prosa und
Poesie, Bde. 1, 5, 7, 8, 9, 10.

4 Monographie der Manturaceen nach Kirrner

5. Parthenogenese par E. Pregel.

6, Norddorf, Scherbrooke Miere, 1-2 Lufung

Un paquet de planter riches. (Des Fougères no 1313)

8, M^{lle}. des Chart. Garbenbaugens
D'après quelque semaines j'ai fini une Monographie
des Potulaccos. En cas que vous ayez quelque chose
intéressante de l'Amérique, veuillez me l'envoyer
avec l'assurance que vous ayez la complaisance
de m'en parler.

Inclus l'enumeration des ~~ter~~ occurrences, qd^l de vous
Monsieur et de Mr. Forrey, que nous avons recues. Lo

autres, comme toutes les publications nouvelles
en Amérique nous seroit toujours très agréable
en échange.

Ayez la complaisance de me communiquer
le prix entier de la collection de plantes de
Mr. Wright et Grisebach, et recevoir l'assurance
que j'essaierai d'accueillir toutes les demandes
que me voudrez communiquer dans l'avenir.

Votre dévoué restant
et collègue

E. Regel

En quelques mots j'espère de vous communiquer
une partie des plantes ^{herbier} de Schrank de la Logerie
(auteur Trautvetter)

—— ~~Algae~~ Apocynaceae brasilienses (auteur Schmidt)

—— Begoniaceae brasilienses (auteur Dr. Andrieux)

—— Boraginaceae (auteur Schott)

—— Plantes sibériennes, et d'Asie, et d'Amérique
et d'Afrique et d'Asie ^{et d'Amérique} et d'Afrique
auteur E. Regel.

Ayez la complaisance de nous envoyer les livres
et les plantes riches sous l'adresse

Person. imp. botanique à St. Pétersbourg

Peterbourg le 12/18)
Journ 61.

Mon cher collègue et estimable
ami!

Il y a quelques semaines, que j'ai reçu
votre envoi de plantes sèches, comme
les livres que vous avez la bienveillance
d'ajouter. Les 96 Dollars ~~ont~~ sont payés
à Mr. Brandt pour votre compte.

Prenez pour les livres, comme pour
les plantes que vous avez ajoutés, mes
remerciements les plus empressés. En
retour je vous enverrai en quelques
semaines une caisse par Mr. Brandt,
contenant:

1, Pour vous.

a. La collection de plantes de
la Sonarai jusqu'au fond des Papouasies,
ce sont des originaux, recueillis par
notre voyageur Schrenk, et destinés et
écrits par Trutvetter, Fischer et Meyer.
La publication de Mr. Trutvetter, recouru

vous avec l'année prochaine.

b. Planter de la Flore de St. Pétersbourg
renvoyés par moi.

c. Planter de l'Orme et de la Liberie
renvoyés par Potté, Mack, et
Stabenborg etc., envoyés par nous, -
jusqu'à ce fin des Carnifères.

d. Apocynées de Persie, envoyés par
Mallet.

e. Quelques livres, comme mes
Botulacées, les plantes Bahe de
Bonifère etc. . . .

De plus j'ai ajouté:

a. Des graines de la part de notre
jardin et de notre société pour vous,
comme les catalogues nouvelles de
notre jardin pour vous. Veuillez vous
en choisir pour l'année prochaine
et en cas que vous avez quelque chose
en graines ou en plantes sèches, veuillez
nous en envoyer en échange. L'année
prochaine vous recevrez la continuation
des plantes de la Sonnerie, de Potté
etc.

b. Un paquet de livres pour l'Académie
à New York, - ou pour cette société

du state New-York, qui a publié les ouvrages
que vous avez eu la bienveillance de
m'envoyer. Vous avez l'adresse mieux
comme moi.

b. Un paquet de livres pour Mr.
Meigh, secrétaire de la société d'agriculture
à New-York.

c. Un paquet de livres pour la société
d'agriculture de New York

d. Un paquet de livres et quelques
paquets de plantes sèches pour
Mr. le Dr. Engelmann, dont je ne

sais pas l'adresse.

e. Un paquet de livres pour Dr. Torrey.
Ayez la complaisance, je vous prie
certainement, d'envoyer tous ces paquets
à leur adresse et recevez l'assurance
qu'il me fera bien de plaisir, si
vous me formez en retour des
semblables commutifs.

Inclus ma carte et mille remer-
ciements pour la vôtre.

Recevez l'assurance de ma
parfaite considération de la part de
votre dévoué serviteur et ami
E. Prezel

Petersbourg le 1^{er} Août (24)
66

Monsieur & ami!

Enfin il m'est possible de vous annoncer
l'envoi de la caisse, contenant les plantes
sèches et les livres de botanique pour vous.

Mr. Brandt et Lemp, auquel j'avais confié
cette caisse, pour la porter à votre adresse,
n'ont pas accepté cette caisse. J'ai cherché
à moi, et enfin j'ai trouvé un vaisseau.

Inclus le ~~caisse~~ ^{contenement}, j'espère que vous
la recevrez en peu de temps et je vous prie
d'accepter de moi l'assurance de ~~mon~~ plus
grand dévouement et l'assurance de ma
parfaite considération.

Votre dévoué ami

E. Pregel

Professor Dr. How Gray

at

Cambridge

State Massachusetts

United States of

North America

James



Petersburg le 2 Oct. (14)
1861

Monsieur et ami!

J'ai bien reçu votre agréable
lettre du 16 Sept. et je me hâte de
vous annoncer, que ^{notre} ~~la~~ somme de 96 dollars
est payée de mon côté depuis 3 mois.
J'ai demandé de ~~la~~ part de Monsieur
Pendant et Comp. la cause, pourquoi
on n'a pas payé depuis ce temps
~~de~~ cette somme et se vient de
recevoir aujourd'hui l'annonce,
que Monsieur Pendant et Comp.
ont donné le 26 Août à leur
correspondant à Boston la commission
de payer cette somme à ~~votre~~ ^{votre}

En égardant que tout cela se
trouve déjà arrangé, je vous remercie
pour l'intention de nous envoyer

quelques plantes récoltées de l'Amérique.
Ce sont principalement les plantes
de l'Amérique boréale, de la Californie,
etc, qui nous manquent. Nous avons
reçu les ~~plantes~~ collections de
Mr. Engelmann, mais il y a
tant de plantes, qui nous manquent
encore de l'Amérique boréale, (de
Canada jusqu'à l'Alaska), que vous
me trouverez toujours très reconnaissant
si vous me ^{faites} préparer ~~quelques~~ les plantes,
dont vous pouvez disposer.

Depuis quelque semaines j'ai
fini la description des plantes
récoltées par Meade au fleuve
d'Uferi, vous en recevrez ~~les~~
doublettes et ma Flore usuariensis
qui va paraître en quelques semaines.
Pour le présent je vous
prépare un essai et j'y ajouterai

ma Flore d'Uferi; ma Mono-
graphie des *Phytolunus* et la commen-
cement des *Plantae Paddlandae*.

Nedmon votre attaché, vos
travaux sont si nombreux
et vous êtes encore si actif,
que je ne puis pas comprendre,
comme vous trouvez le temps.

Je vous conserve votre
amitié. Veuillez agréer l'assurance
de ma parfaite considération

Je vous suis
collège

E. Regel

nana qui se trouvent en Amérique
boréale. Comme j'ai l'intention
de préparer cette famille pour
le Prodrome de de Candolle, je
vous serais infiniment reconnaissant
si vous en voulez commander
les matériaux. ^{Je} ~~Je~~ vous
pouvez manquer, de votre pays
de cette famille. -

Vous recevrez ~~par~~ en
peu de temps une petite caisse,
finco Hambourg contenant:

1. Les livres de bot pour vous.
2. Une collection de 91 espèces, ces
de grainer de la part de notre
Société d'horticulture, dont
vous êtes membres. Ce sont
des grainer très intéressantes de
l'île de Saccharin ou maficin
par le Docteur Schmidt. Moi
j'ai l'honneur d'ajouter quelques
graines de Pomus Pooka et Not-
manniana, ~~ainsi~~ comme de
de Crataegus sanguinea. Les 2
sapins, ce sont des espèces que

Petersbourg le 9 Mars 62

Monsieur et cher ami!

C'est pour moi toujours une haute
joie de recevoir de vous, mon
cher Monsieur, des nouvelles.

J'espère que les relations ~~entre~~ entre
l'Amérique septentrionale et l'Europe
ne cesseront jamais de rester sans
interruption.

Je suis bien content que vous
aiez reçu le paiement, comme
les livres et plantes écrites à votre
satisfaction. Moi j'espère de recevoir
le printemps prochain la
caisse, que vous avez eu la bienveillance
de préparer pour moi.

D'un intérêt ~~très~~ bien haut sont
les plantes des Prockay mountains
pour moi, parce qu'il y a tant
de ^{espèces} ~~plantes~~ qui se trouvent également

²⁴
des provinces de l'Europe, et comme
dans les Monts montagneux. - Vous recevrez
mes vœux pour la publication de
quelques semaines, sur l'ouvrage, par l'inter-
médiation de Mr. Proby, comme
sonar, parce que que c'est
presque impossible d'envoyer
directement pour le moment.

C'est une Monographie des
Thalictrum, Scutellaria Flora
usuraria et le premier
volume d'une Flora des provinces
de la Sibirie et Mandchourie
orientale, de l'Altaï et de l'Asie
occidentale, etc. C'est un travaux
qui vous intéresse sans doute,
et je suis bien curieux d'en savoir
votre opinion. Il n'y a pas
presque un botaniste que j'estime
tant comme vous. Vous êtes un
de ces hommes rares qui se consacrent

totalement à la science et qui
en trouvent la plus grande
récompense pour leur zèle.

Je vous merci bien, que vous
avez daigné m'écrire cordialement
avec ma Monographie des
Betulacées. Mais il y a tant
à dire et de varier dans
cette famille bien difficile
dont je n'avais pas eu suffisamment
de matériaux, que je sens moi
même encore les côtés faibles
de cet ouvrage. Principalement
ce sont quelques espèces de l'Amérique
septentrionale, comme votre
Betula pumila (with large wings)
pubescens et B. occidentalis
Hort., qui me sont inconnues où
que je ~~ne~~ n'ai pas vu en
exemplaires photographes, - plus la
Betula excelsa Hort., que je n'ai
pas vu comme en quelques échantillons
de l'Amérique, la variété de Betula

j'estime d'un intérêt particulier pour la culture
en forêt en Amérique, et l'autre plante est
une excellente acquiescence pour former des haies.

Si vous m'avez vu (j'espère de la) laider semer, -
~~amplifier~~, veuillez les donner en mon nom
et en nom de notre Société, à la une des Sociétés
d'horticulture de l'Amérique septentrionale,
et dire que je suis prêt d'envoyer toutes
les plantes de la Russie et de la Sibirie, que
j'estime comme d'un intérêt pour la Amérique,

(il se trouve en 2 exempl. d'un langage)
Ajoutez, je vous prie, notre catalogue, (et d'être
qu'il se choisisse, ou choisissez vous vous même)
tout cela que vous conviendrait en grains.

3, Les livres d'été, mais le Tintamen Florae
Vesuriensis dans une édition Latine - Russe,
(parce que que j'en ai pas suffisamment d'exemplaires
en Latine - Allemand.) pour Mr. le Dr. Torrey
à New York.

4, Les 3 livres et un exempl. du Catalogue herbi
Atkinsonien, pour l'Académie des Sciences
à New York.

5, Les Phalobium et la Flore Sibir. orientale
pour Mr. le Docteur Engelmann.

Veuillez vous charger d'être Monsieur, d'envoyer ces
livres à leur adresse et priez vous prie
principalement, à l'Académie. Vous avez vu
de la l'occasion pour présenter ma Monographie
des Petularis, dont j'avais ajouté un exemplaire
l'année passée. - En vous remerciant cordialement
votre chère mère je vous prie de recevoir ~~leur~~ salutations
le plus empressé de la part de votre dévoué collègue
E. Meyer

To Mr.

Asa Gray, Jr. and ~~son~~

at

Cambridge

Mass

(Massachusetts, United
States of North America)



11/3

autre pour Mr. M. Perrey en
vous priant de les envoyer par
occasion aux éditeurs.

L'accueil bienveillant fait
aux honore mes œuvres
m'a bien charmé, car c'est
pour chér Monsieur et ami,
comme le sage le plus compétent
pour les plantes de l'effroie
des régions boréales de l'Europe
comme de l'Amérique. Depuis
long temps j'ai dû me l'effroie
et le savoir de vos travaux
et je me repose toutes fois infini-
ment si je reçois des nouvelles
de vous, chér Monsieur. Veuillez
m'envoyer occasionnellement
les annonces que vous avez
publiées sur mes travaux, par
pour ne point en perdre l'occasion
gagner signés par vous.

Pour l'avenir j'ai trouvé une
occasion très commode pour
nos relations comme pour les

St. Pierre le 6 Nov. 62

Monsieur et ami !

En vous remerciant pour votre
envoi si intéressant pour ^{moi} et
principalement pour les œuvres
que vous avez en la bonté d'y joindre
~~monnaie~~ je le regrette qu'il m'était
impossible de vous envoyer avec
le même vaisseau les objets destinés
pour vous. ~~M~~ En recevant votre
lettre je me hâtait de vous
préparer un envoi et en attendant
votre envoi j'espérais de pouvoir
vous l'envoyer selon votre vœu
avec le même vaisseau. Ce sont
maintenant 4 semaines que j'ai
reçu votre envoi et en ^{allant} ~~monnaie~~
le même jour aux informations
je me trouvais bien trompé en
entendant que le vaisseau fût retourné
depuis quelques semaines.

En le regrettant infiniment
j'ai expédié depuis quelques jours une
cassette pour votre adresse par
Mr. Motong à Hambourg, par laquelle
Mr. Brant me communiquera
que je ne trouverai ~~en~~ jusqu'au
printemps prochain une autre
occasion direct.

Vous trouverez dans la cassette:

1. Pour vous ^{de l'Asie orientale}
- 206 copies de la ^{de l'Asie orientale}
- 52 — de l'Asie orientale
- 49 — de l'Asie orientale (Presque aut. aut.)
- 51 — de la flore de St. Pétersbourg
- 43 — de la flore
- 131 — de l'Asie orientale de l'Asie orientale

1. Exempl. de la continuation
de la flore de la Sibirie
orientale pour vous et quelques
autres livres, ~~comme~~ depuis
quelque temps publiés en
Russie. Je ne sais pas pour
car que j'ai ajouté la Monographie

de l'Asie orientale de l'Asie orientale. Les
ce n'est pas, veuillez me le dire
pour vous l'envoyer ~~après~~ le
le printemps prochain. Est-ce
que vous possédez la flore orientale
de l'Asie orientale? et si vous ne
l'avez pas je vous l'ajouterais le
prochain jour.

Puis Mr. Engelmann à
St. Louis j'ai ajouté un petit
paquet, veuillez l'envoyer à l'adresse
si tôt que votre guerre terminée
le permettra. Nous espérons
proche tout en Europe que les
nos de l'Asie orientale de l'Asie orientale
enfin toutes les difficultés, mais
nous plaçons ce guerre comme
une grande alarme pour la Sibirie
et l'Asie orientale.

Enfin j'ai ajouté un exemplaire
de la continuation de la flore
de la Sibirie orientale pour
l'Asie orientale de l'Asie orientale

Il m'est très agréable d'apprendre que l'Emba-
sade de votre état est à St. Pétersbourg
dont le Secrétaire Mr. Taylor
est un de mes connaissances.

Recevez chers Monseigneur
l'assurance de ma parfaite
considération de votre

Votre ami et collègue

E. Pegel

Est-ce que vous possédez ma
Gartenflora? L'édition précédente
je n'ai pas des exemplaires mais
elle se trouve à votre disposition
depuis l'année de 1862.

En cas que vous ayez besoin
encore quelques exemplaires de
mes ouvrages que vous avez reçus
je vous prie, veuillez commander et je
vous en enverrai que j'ai en à
disposition.

St. Pétersbourg le 11 Sept. 63.

Cher ami et très honoré collègue!

C'est bien long temps, que vous n'avez pas reçu des nouvelles de l'envoi botanique à St. Pétersbourg.

Dans votre lettre du 9 Fév. 1863 vous m'avez prie d'essayer de adresser plus tôt une autre envoi, parce comme par un navire allant de ^{à St. Pétersbourg} Rotterdam à ^{à St. Pétersbourg} Boston. Enfin j'ai trouvé par Mr. Brandt et Longjumeau occasion comme vous l'avez demandé et vous venez recevoir par ce moyen un envoi, contenant les objets suivants:

1. Quelques collections de plantes sèches comme une collection de l'importateur de Venise déterminées par Schultz bipart. Des Gentianées de Venise déterminées par Martius. Plantes de la Sibirie orientale déterminées par moi et Hervey etc.
 2. La Ga Benflore de Janvier - Août 63. Vous recevrez tous les ~~autres~~ ^{autres} contributions avec les envois prochains.
 3. Un paquet, contenant les grains de menthe par vous et deux paquets de graines, contenant les espèces la plus rares et chères de Japon, que nous avons reçues depuis quelques semaines de la part de notre voyageur, Mr. Maximowicz.
 4. Notre index com. pour vous en choisir.
 5. 21 publications divers, entre autres la Flora engrica de Siegmund, quelques mémoires de Trautvetter etc.
- En voyant que vous venez de recevoir tous ces objets en bon état, je serai bien heureux s'ils vous rejoignent.

Votre envoi m'est parvenu en bon état. Je vous
remercie mille fois, car il en avait tant de
choses qui m'étaient bien importantes. Les plantes
des Prochy maintenant ont d'une grande valeur pour
nos collections et je vous en remercie infiniment.

Vous êtes toujours l'homme infatigable que je
l'ai connu depuis long temps. Même ayant travaillé
par la guerre, vous travaillez toujours. Vos publications
sur les Foutong, les Calamagrostis etc, vos travaux
sur les plantes Prochy maintenant ont été décrits par vous
sur votre infatigable zèle. Pour moi, je ne puis pas
vous offrir une autre œuvre comme la Garten-
flora. J'ai travaillé l'année passée à la publication
d'une Flora de la Sibirie. Et encore est presque
fini, mais il me manquent encore les moyens
pour la publication. L'année suivante j'espère vous
présenter une publication sur la Faune
de l'Asie et une continuation de ma Flore de
la Sibirie orientale. ~~Mais~~ Le haut Chef de notre
Institut, Mr. le Baron de Meigenhoff, est mort depuis
le printemps passé. Depuis ce temps la j'ai tant
d'affaires avec notre Institut qu'on va transformer
à l'exemple du Jardin de Muc et de Marie d'histoire
naturelle à Paris, que je n'ai pas trouvé le temps
de travailler comme ~~avant~~ et c'est bien possible
qu'on ne pourra encore. C'est jusqu'à ce que
les affaires se trouvent arrangées.

Enfin je vous remercie encore pour vos
lettres, c'est pour moi toujours une fête, j'ai
reçu vos nouvelles de votre part, cher Monnier.

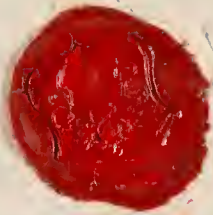
Prenez cher Monnier l'assurance de
ma parfaite considération.

Votre dévoué serviteur et ami
E. Reyer

RECEIVED
JUN 25 1893
BOSTON

12
3

Dr. Prof. Geo. G. Smith
Cambridge
Massachusetts, United
States of North
America



Opera a cl. Asa Gray et Torrey
edita, quae in Bibliotheca Horti Imper.
botanici Petropolitani asservantur.

Asa Gray

- 1, Remarks on the structure and affinities of the order
Ceratophyllaceae).
- 2, Melanthacearum Amer. sept. revisio.
- 3, The Botanical Text-Book. Ed. II. & III.
- 4, Floris boreali-americanae).
- 5, Notice of a new genus of plants of the order Santal-
laceae)
- 6, Plantae Fendlerianae Novi-Mexicanae).
- 7, A Manual of the Botany of the North. Unit. States.
- 8, Genera florum Americae boreali-orient. illustrata.
- 9, Plantae Lindheimerianae. Part II.
Part I. desideratur!
- 10, Synopsis of the Flora of the North. Unit. States.
- 11, List of dried plants collected in Japan, &c.
- 12, Remarks on Menodora Humb. & Bonpl.
and Bolivaria Cham. & Lohb.

- 13.) *Plantae Wrightianae* Texano-Mexi-
canae.
- 14.) Characters of some new genera of plants,
mostly from Polynesia &c.
- 15.) United States Exploring Expedition.
Phanerogamia. Vol. I. 1854. 4.
Atlas in fol. 1857.
- 16.) *Plantae novae Thurberianae*.
- 17.) Note on the affinities of the genus *Cavaca*.
Benth. also of *Rhytidandra* Gray.
- 18.) Note on the Genus *Knockleya*.
- 19.) Notes upon some *Rubiaceae*.
- 20.) First Lessons in Botany and Vegetable
Physiology.
- 21.) Manual on the Botany of the Northern
United States.

22.) Botanical Memoirs:

On *Hesperis*,
on the Botany of Japan,
on the gen. *Croomia*,
on *Ancistrophora*.

Torrey,

- 1.) A Catalogue of plants growing within thirty
miles of the city of New-York.
- 2.) A Compendium of the flora of the Northern
and Middle States.
- 3.) Account of a collection of plants from the
Rocky Mountains &c.
- 4.) Nat. Hist. of New York:
A Flora of the State of N. York.
- 5.) Observations on the *Patia marit.* Linn.
- 6.) On the *Darlingtonia Californica*.
- 7.) *Plantae Fremontianae*.

1., Explorat. and survey for a railroad route
from the Mississippi river to the Pacif.
Ocean. Report on the Botany.

Torrey & Asa Gray.

1., A Flora of North America.
1 vol. 3 fasc.

2., Explorat. and survey for a railroad
route from the Mississippi river to
The Pacif. Ocean. Rep. on the Botany.

1870. July Rail - and Reports - all
sent but vol. 1 - (vols. II - X)
Chapman's Flora

Recevez cher Moricau
l'assurance de ma parfaite
considération.

Votre dévoué respec-
tueux et ami

E. Rezel

Recevez encore une fois
mes remerciements les plus
empressés pour votre riche
collection de Linné. J'espère
être ce que vous souhaitez
que nous en voyons dans
l'avenir des collections à part
au Muséum de l'Université.
Les collections de plantes de l'herbier
nous ~~ont~~ sont suffisamment de
doublettes pour nous en donner
et encore suffisamment pour le
Mus. Ind. Une collection de
mines je vous ai ajoutée. Si vous avez

quelque chose d'important de votre part, je vous
en envoie bien volontiers.

St. Pétersbourg
le 29 Mai 66

Morricau et très cher collègue,

Depuis quelques semaines j'ai vous
ai envoyé par Mr. Frieding
à Hambourg et francs Mess-
chasse une caisse, contenant
différentes collections de plantes
et quelques livres de botanique pour,
cher Moricau. Vous en trouverez
une collection de 200 espèces de
la Soudan (la continuation) 58
espèces de la Flore de St. Pétersbourg
(la continuation) 241 espèces de
Pérou (la continuation), - 76 espèces
de la Sibirie orientale (la continuation)
300 espèces de plantes exotiques
au jardin de St. Pétersbourg.
Enfin je vous ai ajouté

votre collection de Patala
que vous avez en la complaisance
de me confier.

En vous remerciant je
vous ai ajouté une brochure
sur les Pataliers et quelques
autres livres.

Est-ce qu'il y a en Amérique
une librairie ^{de laquelle} on peut
recevoir des tirés à part de
tous les ouvrages botaniques
publiés en Amérique?

~~ou~~ Il nous manque encore
une considérable partie et
je vous serais bien reconnaissant
~~de~~ si vous voudriez m'indiquer
une source pour acheter ces
livres. Est-ce que qu'on a
publié quelque chose sur les
plantes terrestres de l'Amérique

boréale de l'apon etc, chez
vous.

En espérant que vous
recevrez en bon état
l'envoi de plantes etc,
j'espère que c'est possible
de vous envoyer la prochaine
fois, une partie de la riche
collection de plantes ^{de} Japon que
Mr. Masonowicz a ramassé. Ce
sont plus que 2000 espèces.

Dans le cas que ce sera
pour vous cher ami, plus
agréable, je vous écrirai dans
l'avenir en anglais. Comme
je vous ai dit déjà, j'en
comprends fort bien, mais
c'est un peu plus difficile
pour moi de l'écrire comme
le français.

St. Pétersbourg le
18 Avril 70.

Mon cher Monsieur
Etienne

C'est bien long temps que
vous n'avez pas reçu de ma
part des nouvelles. J'ai été
si occupé pendant l'année
passée par l'Exposition
Internationale à St. Péters-
bourg dont j'avais la
direction, que tous mes
autres affaires se trouvaient
en retard. Enfin pendant
cet hiver nous avons tiré
travaillé les doublettes de notre
quelques collections de notre
herbier. En conséquence

j'ai vous ai expédié j'ai
L'ouvrage avant quelques
jours une copie, dont
vous trouverez encluse la
quittance. Les collections
et des livres.

J'ai écrit une petite
note pour Mr. Leach,
Engelmann, et un autre
petit pour Mr. Perry.
Veuillez les expédier avec
le temps.

Je prie que vous vous
trouvez en bonne santé.
Monsieur Maximilian a
cédé le bras, c'est pourquoi
il vous remercie.

Un peu de vous enverra
une lettre et il vous enverra
sur les plantes de Japon,

Et vous recevrez la
contribution en livres prochainement.

Après bien sûr Monsieur
l'assurance de la plus
haute considération,
Je vous salue
très
respectueusement

E. Reyer

Si vous avez quelque
chose de plantes de
l'Amérique boréale et
centrale en doublettes,
veuillez nous en commu-
niquer.

Abtheilungssammlung von 1840.

Rieve, Brasilianer (Samlung von 1830)	13 NN
" " (" " 1867)	18 " "
Schrenck, Sengener (Samlung von 1840)	229 " "
Szondi, Armenier (Samlung von 1840)	83 " "
Bet-Sibirien und Rossica	115 " "
Wiedemann, Anatolien	4 " "
	462 NN

Conservator P. J. Müller

Je la part de E. Regel

5 livres, orobanchaceae

Gastrophysa la orobanchaceae

jeanqu'en la orobanchaceae

Un paquet paquet pour Mr. Engelmann

Un paquet pour Mr. Torrey

Fl. Oct. 56 - Band II, ^{et IV} published
St. Petersburg
Le 19 Fev. 73

Bien ch^{er} Monsieur
et Collegue

C'est bien long temps, qu'il m'a
manqué les nouvelles de
part, Par M^r. Maximowicz
je sais que vous avez l'inten-
tion de vous retirer comme
Professeur, pour fonder votre
École des Etats unis. Nous
vous nous féliciterons si vous
pouvez fonder cette oeuvre
si importante pour la science.

Selon votre demande reçue
par Monsieur Maximowicz &
je vous envoie agréablement,
francs Washington, par
l'intermédiation du "Depart-
ment of Agriculture at

Washington), un paquet
contenant de la part du
"L'Empereur botanique
à St. Pétersbourg

169 spec. plantae sibiricae, mandchuri-
cae et japonicae.

170. Pinus Nordmanniana
la plus belle ~~exemple~~ plante
de la famille des Coniferae
du Caucase.

171. Pinus Picea
orientalis

172. Salix (Picea) crenata.

Plus je Vous ajoute dans cette
lettre quelques graines, dont
j'ai reçu avant quelques jours
les graines de la Sibirie.

En printemps je Vous enverrai
une collection de plantes sèches
que nous commençons à pré-
parer.

Enfin je Vous ajoute

de ma part la continuation
de la Gärtenflora (une brochure
en Vous remerciant pour
tous les ~~travaux~~ ouvrages que
j'ai reçus par Votre bonté

Votre bien dévoué
serviteur

E. Regel

Je Vous remercie des
graines intéressantes de
la Sibirie du nord, de la
Californie etc, veuillez nous
en communiquer

parce que ce sont les
planter les intermédiaires
pour la comparaison avec
les planter de la Libérie,
de la Mandokarre etc.

H. Peterbary
le 21 Oct. (3 Nov)
73

Cher collègue!

Par l'intermédiaire de
Mr. Bouët et Dierboon
à Hambourg. Vous recevrez
franco Cambridge une caisse
contenant les herbaries, dont
vous trouverez enclos la
qualification.

Merci pour les planter riches
que vous avez envoyé à l'usage
de Mr. Maximowicz pour
l'herbier du Jardin Imp.
botanique. Veuillez, cher
Monsieur envoyer dans

L'avenir toujours les
plantier riches de botanique
pour notre herbarium à
l'adresse:

"Imperial Botanical
Garden at St. Petersburg,"

pour éviter des erreurs,
parce que Mr. Massonow
est le directeur de l'herbarium
académicien, qui se trouve
par ses relations avec
l'herbarium du "Garten Imp.
Botanique" doit être pour
le chef.

Dans la carte Vous
trouverez en même temps
des plantes riches ajoutées

de la part de Mr. Massonow
de l'herbarium acadé-
micien, le II^e tome de
nos Myrtales de la part de
notre patron et quelques
brochures de moi-même
et les autres employés.

Veuillez agréer l'assurance
de mes remerciements
pour les brochures, que Vous
avez eu la complaisance
à diriger à moi.

Votre bien dévoué
collègue

E. Regel

Nous nous Vous remercions
pour tous les collections
du nord de l'état et

Prof. A. A. Gray
add: von der Akademii

9 Pag
3 4

P. brasiliensis	494	spis
" Japonicae	419	"
" altariae et fibris. orient.	181	"
" Sibiricae, Persanae et Turkestanicae	52	"
" Sachalinenses	92	"
" Koreae	40	"
1308		88=

Carlos P. Gilman

NB. On several labels is written "Shapety" instead
of which is to be read "Sporits"

DIRECTEUR
du Jardin
IMPERIAL
de Botanique.

St. Pétersbourg
24 fév 1880

Dear colleagues and friends!

Four days ago I have send you from
Hamburg, through W. Minlos at Hamburg
at Lübeck a box, containing 295 dried plants.
I hope you receive it in good order, including
a letter of our friend Mesornowicz concerning
the exchange with the Imp. Botanic gardens.

In the next autumn you will receive a
greater collection of the Potschen plants collected
by my son and after some weeks I will send
you the continuation of my descriptions and
during the summer the continuation of the Plantae
Potschenianae.

Thank you kindly for all the interesting pam-
phlets, which you have had the kindness to
send. With your regards the compliments
of your faithfully

E. Regel

Riegel - 1880

DIRECTEUR
DU JARDIN
IMPÉRIAL
DE BOTANIQUE.

ST.-PÉTERSBOURG,

25 février 1881

N^o 233

Mr. Dr. Asa Gray, professor (Cambridge, Mass. U. St. America.)
at New Gardens near
London

J'ai l'honneur d'offrir à Monsieur Asa Gray

de la part du Jardin botanique IMPÉRIAL de St.-Petersbourg un exemplaire
de *Acta horti Petropolitani* VIII. 1.

que cet institut vient de publier.

Ayez la bonté de m'accuser la réception de l'envoi de

et de faire parvenir en échange au Jardin botanique IMPÉRIAL vos ouvrages
(éditions) concernant la botanique.

Le Directeur E. Regel

St. Petersburg the
9 Aug. 81

Dear Sir and friend!

I hope you have received by
Mr. Maximov of the amount,
that all the different collections,
which you have had the kindness
to send to the Imperial Botanic
garden, has reached us in good
order. Will you agree the best
thanks, also for the second volume
of your *Botany of California*.

I admire your activity and
do not comprehend that it is
possible to work with such a success
in such a short time.

In the next time you will
receive my descriptions of the new
plants of West-Turkistan collected
by Dr. Fedotenko and also the ~~new~~

enumeration of the *Senecioaceae*,
Cypripadiaceae and *Gesneriaceae* collected
by my eldest son H. Pregel.

At the present time he has
started up for *Brachana* and
I hope he will collect a great
quantity of new plants.

I am, dear Sir and
friend

Yours faithfully

E. Pregel

Pray you, dear friend, to give to your
bookseller the order, to send to my
address the 1 tom. of your (Flora)
Botany of California, which I
will pay with the greatest thank-
fulness.

St. Petersburg Aug. 22
Sept. 3.
1881.

Dear Sir?

This day, I have sent to
the address of your botanic garden
a little collection of balsam. I hope
it will arrive in good health.

I hope to send you in the
next time a collection of roots
and balsam of Turkestan, collected by
my eldest son.

I am Dear Sir

your faithfully

E. Regel

21 Nov. 81.

Dear Sir!

Very obliged that you have
had the goodness to send the first
some of your Californian Flora
to the Smithsonian Institution
at Washington to be forwarded with
the first opportunity to my address.

I hope to receive it with the
time as have given ^{order} to the
bookbinder ~~of~~ F. Enke at Stuttgart
(Germany) to pay you the 5 dollars
with my best thanks. In the next

time I will send to your address
the continuation of my Descriptions
with a chart of Turkestan, and
the Descriptions plantarum collection
O. F. Focke.

Pray you to make my compliments

Mr. & Mrs. Gray, Largent and
Gustave and I am Dear Sir

Yours very truly

E. Shepley

DIRECTEUR
du Jardin
IMPÉRIAL
de Botanique

St. Pétersbourg

An 4/6 Decbr. 1886

N^o *1381*

Professor Lorenzo Watson Esq.

Cambridge

Dear Sir!

In the June of this year I have sent, how you see by the enclosed letter a letter of change to Mr. Edward Palmer at Cambridge but this letter is sent me back by post now as unclaimed. I beg you to excuse me, that I molest you, praying to be so kind to deliver to Mr. Palmer this letter of change.

I am, Dear Sir
your faithfully colleague

E. Regel

DIRECTEUR
du Jardin
IMPÉRIAL
DE BOTANIQUE.

St.-Petersbourg.

le 15 novembre 1888

H. P. 203

To Mrs. A. Gray Cambridge, Mass. U. S. A.

J'ai l'honneur d'accuser la réception de *List of the writings of A. Gray*

que Vous avez bien voulu faire au Jardin IMPÉRIAL de botanique de St. Pétersbourg
le 18 N^o, et d'exprimer la reconnaissance du Jardin
IMPÉRIAL pour cet envoi.

Pour éviter des malentendus, je Vous prie d'adresser Vos envois pas
autrement qu'à la Direction du Jardin Impérial de botanique de St.-Péters-
bourg, Russie.

Le Directeur *E. Regel*

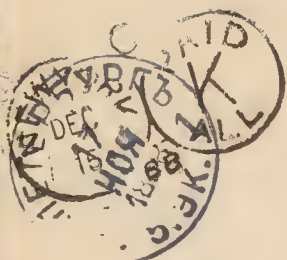
Le Bibliothécaire F. J. de Herder,



Mrs. Ann Gray



Cambridge, Mass
N. Y. N. O.



DIRECTEUR
du Jardin
IMPÉRIAL
DE BOTANIQUE.

St.-Petersbourg.

le 19 Juin 1889

N^o 324

Mr. Jeroo Watson, Conservator, Cambridge Mass.

J'ai l'honneur de Vous offrir de la part du Jardin botanique IMPÉRIAL
de St.-Petersbourg un exemplaire de *Nota hort. Petropolitani Tom. I fasc. 2*
par la Commission Internationale d'échange de
livres
que cet institut vient de publier.

Ayez la bonté de m'accuser la réception de cet envoi et de faire par-
venir en échange au Jardin IMPÉRIAL de botanique vos publications et principale-
ment celles concernant la botanique, en les adressant, pour éviter des mal-
entendus, pas autrement qu'à la Direction du Jardin Impérial de botanique de
St.-Petersbourg, Russie.

Le Directeur E. de Regel

St. Petersburg 18 1/2 ^{the Febr.} March 1890

Dear Sir.

With many thanks I have to acknow-
ledge the receipt of
Manual of the Botany of the Northern
United States,
which you had the kindness to send
me.

B. I have the honor to
send you to-day some pamphlets
on the Flora of Turkestan etc.

Your faithfully

E. Regel

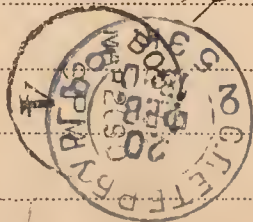


ВСЕМИРНЫЙ ПОЧТОВЫЙ СОЮЗЪ. РОССИЯ.
UNION POSTALE UNIVERSELLE. RUSSIE.



ОТКРЫТОЕ ПИСЬМО. — CARTE POSTALE.

Sereno Watson Esq.
Curator of the Gray Herbarium
Harvard University
Cambridge
U. S. A.



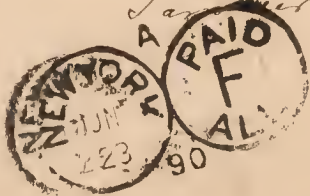
На этой сторонѣ пишется только адресъ. — Côté réservé exclusivement à l'adresse.

Dear Sir.

St. Petersburg $\frac{29}{10}$ the May
June 1890

In consequence of your postal card
I shall send an exemplary of our Acta
to the Gray Herbarium, which institution
will receive ^(in the future) regularly our publications.

I am, Dear Sir, your faithfully colleague.



C. Regelz

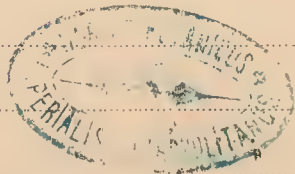


ВСЕМИРНЫЙ ПОЧТОВЫЙ СОЮЗЪ. РОССИЯ.
UNION POSTALE UNIVERSELLE. RUSSIE.



ОТКРЫТОЕ ПИСЬМО. — CARTE POSTALE.

Professor Dr. Lorenzo Watson Esq.



Cambridge,
U. S. N. America



На этой стороне пишется только адрес. — Côté réservé exclusivement à l'adresse.

DIRECTEUR
du Jardin
IMPÉRIAL
DE BOTANIQUE.

St.-Petersbourg.
April 29th
May 11th 1891
No. 245

Frederic Watson Esq.
Harvard University Herbarium
Botanic Gardens
Cambridge, Mass. U.S.A.
Dear Sir

Your favour of April 3rd
only came to hand and I beg to tender You
herewith my heartiest thanks for your very
consolating words on behalf of the much la-
mented death of my late colleague Prof. Maximowicz.

As to the last package of dried plants sent
to You in summer last, I am extremely sorry, that
I cannot offer You just now an equal good collec-
tion of duplicates, which have all been distributed

Besides Yours a similar package for Mr. N. L.
Britton of the Columbia College Herbarium, New
York has also been last in transit, it went
from

from London to New York by the same steamer
"Egyptian Monarch" as yours, it is rather strange
that both cases have been lost on the way.

Not being able to send you another collection
of Duplicates, I cannot accept your liberal
offer to buy for us of Mr. Pringle's Mexican
dried plants for the money you claimed from the
shipping company, please use this amount in
favor of your own botanic institution.

With very best respects I remain

Yours most faithfully

E. Dyer

DIRECTEUR
du Jardin
IMPÉRIAL
DE BOTANIQUE.

St.-Petersbourg.

August 12th 1891
N^o 443

Frederic Watson Esq.
Curator of the Harvard University
Herbarium
Cambridge,
Mass. U.S.A.

Dear Sir,

Your esteemed favour dated May 1st July reached me, but I am sorry to state, that the packet of Dried plants, which you were so kind to send us through the Smithsonian Institution, has not yet arrived and may perhaps been lost during the transit, because already four months have passed away since you dispatched it.

Your contributions to American Botany XVIII have reached me, please accept my best thanks for this interesting pamphlet. I send you some published in our institute, unfortunately I am too much occupied at present to publish many papers myself.

Yours very sincerely,
E. Regel

Hegele

New York Febr. 6th 1891

My dear sir

I am making a series of drawings in pen and ink of American and English authors for a literary book for the Am. Book Company. Among them Asa Gray of whom I cannot find a portrait here. You would greatly oblige me by lending me one ~~and~~ (a photo taken from life) and I will return it to you as soon as the drawing is completed.

To Prof. Lewis Watson
Cambridge

Very Respectfully
yours
Jacques Reich

Reich

Prof. Lorenzo Watson

My dear sir

I rec'd the photograph of Dr Gray. I think it is a very good one. Please accept my thanks for your kindness.

I will send you a proof of my drawing as soon as the plate is made. Thanking you again I am very Respectfully.

yours

Jacques Reich

Studio 2 W. 14th St.

New York Febr. 25th 1891

Apr 30

Dresden, 25/8/44.

My dear Sir,

You receive herewith the little parcel of plants, I intend to offer you. Be so kind to let me know, what would interest you in future - I send two centurys of plant specimens I got duplicate.

You will find four parcels, one for you, one for Mr. T. Lillies, two for Mr. Tuckerman. - I find of mine begging me every day to care him an american entomologist's care correspondent, at last I permitted him to add a little box containing beetles. You would oblige me very much, my dear Sir, by giving those insects to a diligent entomologist and sending him, to give you in return a collection, which you can kindly send me enclosed with plants.

You would oblige me very much, if you would receive in future parcels destined for me and send it together, for in that manner expenses of ports would be highly diminished to me.

May I beg you to let me have address of some diligent botanist to be relied on in other parts of united states than in Massachussets and Ohio (as I am extremely desirous to receive in short time the greater part of plants of your beautiful flora) I have heard the names of exotic countries - Dr. Kneaster (New York?) but I don't possess their address.

My chief employment continues to be ordinary. Allow my dear Sir before finishing this letter to thank you for your excessive kindness in receiving and forwarding my packets of plants. You should be of any service to you in any way you can freely command my services.

With the best remembrance from my father I remain my dear Sir really and truly
H. G. Reichardt
for Mr. Reichardt, Dresden, 25/8/44. Your humble servant

P. P. P. Kind - Your next letter to let me know for which families you are interested yourself
I beg my dear Sir to know

Hedges

Res. Might I beg You if convenient to send me (if You
got opportunity in your excursion) the flowers only of
Orchidaceous plants both labellous and bud in spirit.
I have already received plants in this way from Chedoke
and Mexico and also have myself prepared them this
during last year. You may not be acquainted
with the manner of thus preparing plants. It is done
thus. You must procure a bottle with a large opening.
The name of each plant must be written upon a
little paper and the paper afterwards dipped in
oil and attached to each plant and finally put
into the bottle. If You will trouble Yourself thus You
will infinitely oblige me. — It is known
that You are Director of the Botanical Garden
near Boston. You would oblige me greatly in
forwarding me the Orchidaceous flowers — a leaf
of Vanda & Epidendrum are not necessary
under your direction. A single flower
(if more is not to be given) is sufficient. These
already the satisfaction of obtaining those from
Berlin, Vienna, Edinburgh, Leipzig and
naturally from Dresden. If it would not give
You too much trouble You would oblige me
much in sending the anthers & pollinaria
included apart in a paper as these important
parts when left upon the flower are apt
to be spoiled. Those flowers are destined to
forward my projected works on Orchidology
plants, which I beg You heartily to favour
all way. If You would also have the kindness
in your letters to forward me full observations
as You may have made upon my favourite
family You would exceedingly oblige

Yours

humble servant

Wm. Bartram

Am April 30.

My dear Sir,

I write to inform you that in the course of a few weeks you may expect to receive from me a packet of plants which I am about to forward to Mr. Reading, Merchant in Hamburg. Ship packet, which is included in a wooden box containing plants for you (N. 1.), Mr. Sullivan (N. 2.) and John Tuckerman (N. 3.) of Boston, and you would oblige me much by forwarding the above packets to their destinations. — I had the pleasure of making Mr. Tuckerman's acquaintance during his residence in Dresden, but not having heard from him since now a space of two years, I cannot but feel anxious on his account.

Toward the end of last December I returned from an nine-months excursion in Switzerland and Piedmont but the plants which I then collected, not yet being arranged, I have not remitted them in my packet, but reserve myself the pleasure of doing so some future opportunity, when I will also send plants, which I generally collect in this year and which I have also received from correspondents during the year 1842, to 1844.

I do not remember to have already informed you, but I need hardly say, that my favoured family is that of the ^{very} beautiful Orchidaceae (*Apriopodum aride*! *Platanus*! *Catepso*!) and next to that the *Carex*. Your delightful work on the north American *Flore*, which I often employ as a book of reference makes me desire for more opportunities of discovering its beauties. — —

With my fatherly best respects I am my dear Sir

Yours truly
J. Schleicherbach

P.S. My father offers to send you the catalogue of seeds next autumn, if you wish to make an exchange. —

GR

Mr. Ayas Gray
Professor of Botany in Harvard University

Cambridge Mass.
United States

Reichenbach
 Howard
 Aug 21. '51 -

My dearest Sir,

that was a good letter, that told me
 your arrival in Europe. I am
 very happy to be You!

Be so kind to tell me when you
 will come to London, as I wish to
 be quite ^{at} work in that time for
 even remaining at your orders, or
 for bringing plants in the name of
 my duplicates, or for showing you
 what may have any interest
 to you.

The list of the parcel I had
 given to Mr. Francis Brown is

very bad. But I think to
give you the fine plants again.

To day the nice collection
of New York plants reached me
Many many thanks. And also
I find in the contents - of
plants dried herbarium.

Texas plants will surely please
as I looked to you
me.

work - how many, many
plants have I found named
I do not know. I have not
one answer Vesicaria!!

Except you send I got but
one from the Short. I nothing
alp. I few the. The other
at Eastern in Berlin, but he
had nothing for me, except some
Potamogeton.

Should you write me a line,
I would like to see the best of the
Sunder, though I live near it
Therand is 3 miles from
Sunder, in a very picturesque
country.

Write in great haste
I am very
bad english.

Yours truly & faithfully
Therand,
2 Aug. 58. M. G. Reinkebach
L. Reinkebach

Dear Sir,

I have today the satisfaction to tell You, that I have sent a parcel (enclosed in paper, wax lined and ordure brown lined with greatest care) to Mr. Ridding for You. It contains four combings of rare and selected plants, greatest deal in choice specimens collected by me in Switzerland and Italia, by friends of mine in Stangeria, Corniolina, Lombardia. I could offer that parcel to every public herbarium as I have quite left the best job of engraving botanists, to find but common plants to America.

I would be very glad to obtain from Your plant as they prefer the interest of authority & rarity at once. Melancoria guineensis s. Michauxii!

I would much be indebted to You, if You could give me Your advice for making some exchange, with American public herbaria. I wish much to see (should they ever be little) of the great collection and of the famous Palmaria north expedition and of the famous Palmaria expedition. Or have You yourself duplicates of? As there are now the authors of the series three specimens (sc. mediae Europe) may be regarded as typical specimens for the series.

I add some open leafs asking You heartily to let address them in insolvency, Charles Duce to the addressee. Counts

37
 To Prof. Dr. J. Gray
 Cambridge near Boston
 Mass. chiefly
 3
 Paid 1/4
 13 1/2



90



the execution and be persuaded that I never stand
to your service.

I think after having much (worked) wrought
to go to England next spring and perhaps
for the winter 1852-53 - if God spares my life -
or to Antilly or to Newbern, as I wish to
see tropical vegetation and one must
savour during one's young.

I'll leave Dresden the 1st day and go to
Leipzig (Address Leipzig Moritzianum). My
rooms are very greeted good, since 1844. The first
time I will lodge with my plants! I'll make
many collections for my correspondents, next
winter.

I have made great expenses for my botanical
last time - I have purchased nearly
7000 species and exchanged a great
quantity. I think that found tropical
voyages would furnish plenty material
for exchanges.

I would much enjoy to obtain by you
or a separated paper Your ideas on
the probable success of a chemical
factory in United States, as there is one

of my friends, who wishes to go there in that
purpose. He has money and is a skillful man.

You have made me a great pleasure in
recommending to me your kind Mr. Brace. I
have done what I could for him and he has much
told me from America and almost from you.
That was my consolation for your not coming,
what I have extremely lamented as much
as your unlucky affair in England. Mr. Brace
was with us first time between Germans! So
when we feared war to America
the more I then wished to go to America
myself. It is ever a good thing to know & quasi
on one's self, so I would much like to know,
if you think it possible, that after having
published fine works more - also microscopical,
as much work on microscope - you would
think it possible, that I could obtain a place on
an American University. I now go to Leipzig
University as a "Dozent", that is first degree
after Doctor and before being Professor. But it
ever sees our wars and revolutions and would be
glad to live in a land, where is peace. That
is a question in greatest confidence, I do but as I
know you are not only our most celebrated botanist,
but also a man of a most human heart.
Excuse the many questions and trouble - and do
me the favour of saying for me Your goodnight.

I am Sir truly your most obedient
Dresden
9 October 1851.
H. G. Reichenbach fil.

My Dear Sir,

I thank You very much for Your very kind letter. I have read with highest interest. My best thanks for Your kind remembrance.

I thank You also for Your advice on botanical places, but I regret I have been mistaken by You in the (sense) of my wish to go once to America. The case is not an other one, than that unhappy state, ever to fear new revolution as for there is fresh (an unfortunate accident at Paris. If Trencart-Gerney indeed I have the hope of being placed in an agreeable manner though perhaps late enough. I have been much satisfied in being invited these days to make the continuation of my good friend Prof. Kuntz's *Leaves and Ferns*. I am willing to accept and I implore Your powerful favour. In a few weeks the first parts of my *Gymnosperms of middle Europe* (250 plates engraved on my pictures) will be published. My *European Orchideae* (175 plates) are ended and now I am working on some microscopical Orchideaceous questions, viz. the causes of the pollen tubes, of wing pollen etc. I have very satisfactory results!

The cause of my writing today is to make use of your generous promise to recommend You a friend of mine.

5. 11. 1871

I don't know from personally, but from a long correspondence,
from his works, from the testimony of our most valuable
botanists. It is

Mr. Wogenstedt
a pharmacist, one of the best collectors of plants Germany has ever
produced, for with his eagle eyes he has made the most unexpected
discoveries in countries, where many botanists, have well collected
nearly for a century of years. So near Rome and mostly near
Tene, where you know from the time of Linnaeus one has
found much fresh plants.

Formerly I thought me one of most unfortunate botanists,
as I lost a year of my life by the consequences of a terrible
cerebral inflammation 1847. But truly I feel my misfortune
appear nearly little when compared with the suffering of my
valuable friend. Three years he was in the hospital of Tene,
convinced by repeated flames. At last he made a last effort by
taking long himself to an excellent chimney, Professor
Langenbeck at Göttingen. There he was saved after three months
1849 having just finished his very excellent Flora of
Tene (I must recommend by Professor Schindler who made the
preface) he lost his expensive botanical his books, all the
product of a diligent life of 20 years! (by fire flames!)

That was not enough. Preparing nitric filter he had
the unfortunate idea of washing the vessels with alcohol
though every skilful chemist he had not remembered the

possibility of the formation of nitro fulminate. A terrible explosion
made him blind for fourteen days and he perhaps never will be
quite delivered of a little opacity of eyes.

So he wishes to leave Germany, where though very highly
esteemed he ~~would~~ ever recollect his terrible fate. He is going to
America for making collection of natural objects for sale. Perhaps
shall he later find a place.

I hope for generous a man as I know you will be the patron
of my ^{unlucky} friend, and I think you will never have any
occasion of repenting to have done some thing for him. I know
him a noble man of word (as humane dezerole?), without self,
open, thankful from our mutual correspondence.

It is but for the city, that unhappily for him you should
not be home at his arrival. I gave him some letters to Mr.
Tuckermey, Baltimore, Md., Wash. May he be happy enough
to find you home! I think under your patronage he would
do at least as much as Mr. Chapman, Geyser, Paul Parker.
During his voyage you would find out for him a place
where he may find after so terrible a life that peace,
he has lost for ever in Europe.

Are there not some plants of Europe you wish much? Please
tell me them! Should you once find me Rhizocarpon, Tilia and
Faleria quinquifolia? I need very much your Tilia as I will use it in the next part
of my book.

I am, very dear Sir, with highest respects and very

gratefully

Leipzig, March 1852

1. March 1852

Yours

H. J. Reichenbach

To
Professor Dr. A. Gray
Cambridge (Harvard University)
near Boston.

Dear Sir,

You appear to have quite forgotten me. in writing, for then
 we so very good as to send me from time to time
 parcels full of your excellent workings. & therefore
 thanks, I'll, there, shall soon be able to report
 for some things. Also I tried to find you some
 day a very small parcel of plants with very good
 things.

I know very few things on your part and yet I
 can still hope to be your one day or the other, I should
 it to be here, or in America.

I would like much to speak by your assistance
 outside of that, I think, that you should do some thing
 take care for L. & C. you should do some thing
 for me. Perhaps now I would purchase
 complete business. I have could say if that
 unfortunate business. I have was not for
 very expensive, as one perhaps was not
 lots for having some species on which. What
 money did I spend for specimens!

At length, from 17 years of waiting, I have for
rent a lodging, that I have my space for laying
out pencils etc. One great scholar is engaged
nearly in the way of Linnaeus' system of exchanging
know, I believe. All my industry of exchanging
lets is again as a proof of it. I send
a few letters begging you to let them have
their address. Too I am anxious to have
botanical friends in any part of world, and
the most in Oregon, Florida, Mexico
Costa. Could you not assist me? I think
necessary. I would ever pay what I
greatly prefer exchange.

How does that good Mr. Suckman, you
would appear to think it is better to give
things, then leaving to his friends? From
1847. I am in hope of his parents!!

As to Dr. Bigelow. I wish only one plant with
his label and I ask him to send it to you
how can for me.

If I can be of any utility to you, please, dispose
on me here. I am not such a snipe & you
perhaps, as an American & Linnaeus, in yet well
able, I think, to do some thing useful for you.

At Christmas, as was at Miami. Meeting is
well off, but ladies too. One of his daughters is
widow, the just married. I was also with Mother
from Wisconsin & Madison. I just got good letters, they
are all well.

Do you know that Poterich, virginian is now
providing to be german plant? I shall know,
what a quantity of D. we have now in Europe.
I. Iolan by I would gladly receive a lot of yours
Wetherill will not regard them all.

We are just expecting de Vries, coming from
from Java. - He is in my fear from being the
end of Laminas for D. that Hooker &
Engelm - about 600 species. That Hooker &
Wetherill will not all think good ones. Iolan
Jay.

Yours, & truly
 Rufus W. Lyman
 23 March 1861.
 P.S. When is now Mrs. Olney?
 Augusta, Georgia?
 Providence, Rhode Island?

179 Collect all the
specimens
Richardson

unknown.

Very truly
yours

Newburgh,
Oct. 10. 1865.

R. Richardson

P.S. I'll just begin to give him the
remains for an Orib. of Ant. 1861.
If I say that Griffiths (writing up Orib.)
is as his father's Malston. I think
I judge in a very mild way. I'll never
go on quite as you did with Malston. The
sentence is not to be
spoiled by personal vanity. It is
a shame that a book, destined to be the
help of beginners, is so full of blunders.
Planchon calls it the most dangerous
book produced in the last ten years.
What a misfortune that Dr. Williams' confidence
was so betrayed.

Dear Sir,

I have to thank you much for your remarks
on *Attagaleoides*. What a diligence in
your works!

I have just now had a wonderful sign
at London very much with Dr. H. H. H.,
seeing but once (and the one foreigner who did so)
Dr. Williams, who was very ill and in now
bitter, having left New York for a
while. Early being out of state to
write. Between Orib. they were
do anything between Orib. they were
not critical to me, laying any thing
at my disposition. Dr. H. H. H. was
a magnificent power over me. I
think now more than ever to fulfil his
promise with to bring out your 1st Orib.

Both Dr. & Miss Olive let me hope, You will now
also assist me friendly, as they do. (I have
in my custody all this new Indian word
for naming!)

What I wish the most, is to have special
parts of O. collected by all your collectors, the
most by Wright & Gardner. I'll pay any
reasonable price. Probably I would

also purchase complete lots, if I knew, how
great they were, the most of Cuban.
I know, they are better, than Spruces
rubbery, who put me just at 2 £ 4 p. 100
300 specimens and more than 1600

miserable heaps from Ecuador.
Fleming told me, You have enormous
lots of polypodium Orchids. Is that
true? Could I name them? At all
they are the state we now under
your protection as to Orchids. I stand

quite ready to assist You as much I
can do it.

Are there duplicates to be had from Your
now public! Herbar. or Phil. & Lycopodium
& Lycopodium. Then I would find a
list of fresh lots I can spare (not
European!)

My herbarium becomes uncommonly
big and may be the greatest private
all of Germany. It costs me much,
yet it is my highest pleasure.

Allow me to offer You my entire phot.
costing very much for You. I fear it will
my dear Dr. Wright.

I'll probably return to New next

28² and Feb. 2,

obtain in the meanwhile also a set (or for pressing, up for
looking at) of your new sp., the most of *Spiranthes*, and *Conoclinium*,
perhaps japonica I would be very glad. Are *Dischidia*,
of your japonica (or at least) to be had?

These days I got a quite new *Orchid* from Amur river
(*Sholaim*) or a new genus, or a *Malaxis* - quite looking
as an *east-lapine* *Cystostylis*! - Too I have
a fortnight found *Spiranthes*, having before
me the *Sp. gemmipara* living! I am sorry
to have so very bad materials of *Sp. californica* Torr., all
coming from Schumacher's collection, & glued to stiff paper, none free.
I'll not write on the matter before not having studied all
the new materials, though probably not better than any one.
I believe I have three good characters for *gemmipara* and
that Lindley was quite right when referring it as a
distinct species. Perhaps you can assist me with some
materials or advice since you must know some
better than any man. -

I would like to purchase some choice plants from Liverpool,
but am too poor for spending my money for his larger lots,
as they may not contain 80% new to me. The most I wish
the *Cylinaria americana*.

Can I not be of use to you in any way. My health feels
better. I hope to see Hooker in October
now three rooms. - if my life spend - in May 1866, when you had all
come to the great show.

Most respectfully & thankfully yours,

Richardson

Stanbury,
Aug. 18. 1865.

Dear Dr. Gray,

Your letter of June 29. was most agreeable to me, the
more since it contained the photo, which, ardently
wished for very long since, and looking so quite different
from what I had seen with Wiggly. Heartily thank you.

My not writing earlier comes from my being
suffered very much from cold taken during the
hottest days of the century. Yet I sent immediately
some impressions of *Orch. treatifera*, probably
not quite disinteresting to you.

To day I write you in the very deepest grief
and mourning. Since two days I know Sir
William's death, afternoon 12th. Aug. from a
Diphtheria taken by a cold, aged 81 years.

My life has not been a very happy one - I have, what are accidents, pains, disasters - but I have scarcely ever been so mortified, than now. What an excellent man! Dr. Hooker lies ill from a gesture affection. Mr. & Mrs. two poor ladies. - Northern and Oliver were both absent. From the funeral I knew nothing - had I not been apprized of coming too late, I had so much liked to assist. I feel so much satisfied that I saw Sir William last Easter time, the one foreigner accepted during all my stay of three weeks. He conducted me quite this out, as Robinson when I saw him last time. - I immediately directed to excellent Thompson for full details as to enable me to write Necrologues of Sir William, no one can write with a more addicted heart.

As to Your kind letter I have to reply, that I have done formerly my best to cooperate with Gussone, but that I cannot. From all many assistance I have given him,

has repelled a barbarous treatise. He wants to ^{appear to} fit high judge. He has explained one a piternious plant as an Orchid and lost a *Phyllanthus* as such. His identifications in New Herb. are formidable & I must quite do again the whole. My new *Gynergetes* book, it also he regarded a *Cyrtopodium* from the specimen, and copies my descr. of *Gynergetes* so that it stands in the work twice etc. etc. etc. I feel quite tired of assisting for being then judged. ^{and} no one could do it, others will do it, but he has not the eyes to do it.

#

I will be most thankful for Your assistance as to any collectors (not to forget Fendler!) and quite glad to pay a higher price for rich collections, as naturally it is ever so very good to have a rich sample. Best and most useful.

#

Any Polyzonier Orchid will be carefully treated and thankfully put back if necessary. If I could

Amst Feb, 2.

I received last year five by five more than 100 £ L.
and this year, I'll go 10 on. I'm a strong got more
than 60 £ L.

My herbarium gets an enormous big. Last spring I
had the pleasure to send to our good Cambridge Librarian
more than 4000 sps. (two great vols).

If you do me the favour, of writing me, please let
me know, what a man is Dr. Chapman (I
think at Epalacrida?). Does he like better
plants or L. in exchange? I want his plants.
and who gives me (for plants or L.) Californian?
Only think, I have not Darlingtonia.
Helianthus I'll obtain very soon.

I am afraid, I'll soon disturb you with
vegetation questions. I get splendid
plants from there.

When, when, when comes the new edition
of Manual, the so-called Manual? What
a dear, useful book!

Please allow me to call on, Dear Dr. Gray,
very faithfully & respectfully Yours

Hamburg
139. Gindellallee
11. Dec. 65

H. F. Reichardt

My Dear Dr. Gray

is it possible to end the year in a more
agreeable way, than to write you? To you, I
know at length from face and I look to go often.
Wishing you from all my heart a
happy New year, shaking hands with you,
and offering you once more all good
services, one could render to you, by
hurting just books! You want by
telling you opportunity of sale etc.

So I write you to day, that there will
be shortly here a very good opportunity
of having very good Brisbane plants
(shown at L. 1. 16). I named them at
New. Nearly all are known things
but very rare too. I could let you
have a good lot. Business admirable

My broad stay at New 1865 was full of hard
work. Only myself, I was the first, who knew
Dr. Hooker as Director. We met together
in North fog, early in the morning
before the Harbinger, You know he will ^{so many}
where I liked to make to find vestiges of young.
Good Dr. he looked very bad and excited. Yet,
soon he thanked, he soon recovered & looked
as usual.

Wright was very well. Bentham was
the same: the old & I get, the higher become
my reverence of him! I am very happy to
appear, that it rather appears, as if he
was beginning to open new his heart.
Jatropha diffusa.

family physician, except I was the

last, who saw Linley. When he stood on his
Veranda inviting me to come often to see
him, I did not expect, our next meeting
would be to follow him for his funeral. I'll
never forget the melancholic bell of Turken
Green church, when we passed. I was fitting
with T. Thomson. - Bentham & Dr. Hooker
were likewise in the cartage. - Last S.T. we were
as two bearers - we had many fights - I out of fight
every one did what he could for the other. How often
you I know my broad flowers.

I had good talk with T. Thomson to come over
for being you for will you come to "Congress"?)
Yet Mrs. T. dislikes her husband to crop, Oscar.

I was at Linley's a bit of Orchid to be put
back to you - Are there its behind by sale?
Ah, the think of me. - Who are now your
travellers? What is the yearly amount of
Brighton's subscription? I like to be one, but
am very prudent in money matters. (Please give
me an answer.)

Amund Aug, 3

As to botanical gardens I can well supply you with
many plants, & plain trees and a lot of
g. & greenhouse or flower plants. But Orchids
I got nearly none, since I have no money
to purchase them as I dislike republishing
sneering. When I was elected, for me, who had
protected other candidates (Pouder, Standen)
delivered, now I could cover what the garden
with nothing but Orchids. But you may
not expect such things by me and I feel
most anxious to bring you early and
candidly as far as what you may expect
when not.

If ever you find me more such cases I'll most
gladly assist you in distribution etc. Yet I would
like, first or by seeing, or by gluing over
papers on what you would write, you
would give the bundle such a state, that
its integrity was quite apparent. And that
the most as to Gibber, who is suspicious
against his best friends and sneering about all
notwithstanding his polished cordial letters.
The true case stands at your disposition is
my grand Museum of cases.

The Orders of your collection are very & I hope to
name all nearly all. They generally look in old
friends.

My dear Dr. Gray,

The letter arrived safely and both were
speedily & duly put over to Dr. Lange
The case is in my hands since three days. You
I am in want of knowing the exact form
doctor to N. York No doubt, costs are very
small by such a manner of sending and
it is more paper, than to find small bundles.

The grand parcel for Dr. Lange has been
packed most carefully & sent over to Mr.
Petit, Denmark Consul at London to whom
Dr. Lange directed me. I advertised letters by
letters both Mr. Petit & Mr. Lange and heeded
the matter, as I could not treat letters my own

As to Mr. Gribner I was not in the
case to form him immediately was being in
his neighbourhood. I have advertised him
an hour after opening the case that he
shall dispose of his two bundles
now to be treated.

As to your glorious binding I have
to begin with thanking for all your kind drafts.
Calif. grapes & other are highly welcome.
A thousand thanks for the book, though I
am not quite clear as to binding. You
send me, as you ordered, a list of all
I have to thank you for, knowing, what
is to be bound. A set bound book is a
grief to me, but I am never clear,
where are supply to be expected etc.
As my high pleasure as to rights. It is
after all a pity that you did not tell me
may delt in it. The work I have
to do is comparing, numbering is a
hard one, the more I have overdone
now. I have therefore thought to ask
properly. They are a few days (14 at least)
I have a payment in England
I believe nearly 20 £. Now you are now
allent in London / who is excellent & all
money question, as is Mr. Penthouse)

that as to send it to your London agent for you.
When you have done over the matter I have
to do by numbering etc. I'll take care, to let
you have the best. I like to know your
London agent, since I do not like to have
money matters with Southampton. No
money has here any firm value - all
little films & gold are, wares - and all
is translated in their foolish Mark Marks
(2 Mark Marks being nearly 3 Shillings).
Now this grand profit is, that they ever
know to make grand is in by their cheapings -
may be films or gold scarce or abundant,
they have ever the profit. I don't know
anywhere in the world such an abuse
yet, I believe, I can see over Mark
Hodges -

Many thanks self for the precious flower is
the better of had no time already to look
earnestly at them, since we are in a
grand trouble by this horrible war & an
afraid heart too. Poor fiction told
for the vanity of a king!

ten years ago a large number of
anacardium, jamaicensis, & other plants
to the medical points of last year
collected I believe before 1820 and
looking very aged, though still
very well collected.

To Mr. Bond icons & your Ours
& probably some plants for herb. &
to complete to fl. & gel. - Do you have several
bot. dried pl. works?

The Calif. Yucca ^{stems} look so remarkably
well, that I suspect the sets will
be very good, he will make all,
Darlingtonia!!!! I could not
decay without having it in my
collection.

Could Wright not ~~also~~ collect living
specimens? Do you know any
thing about Renou or Segner doing?
He could appear to be a living man.

How does G. & C. do? Is he doing the
do? You understand I must have Pyling
Americans. What a pity, that he
does not give us his cheapness & I
fine you 107 Yuccas that nearly all
are used.

I include a list of our N. & S.
perennials, adding that I would have
a list of your not N. & S. perennials
for sending you as many as possible of
those which are well or nearly well
known. It is difficult to keep a good

127 Sw. Pacif. Nat. Hist.
Cory

You are rather of conditions for the Land
& for Beland.

As to my special deficits I'll write you on in some
time. After a long consideration I now propose my
herb. in 10 collections in America in: Can. & U.S.;
Mexico, Guatemala, Panama. — Brazil —
Columbia & Peru. — Chile & Patagonia. — The
inflation I feel uncertain, where they belong I will
sign with large than other. — The matter of this.
My coll. is far too big, for being used freely, the more it is
arranged in continental plan, is more free, that one finding
all prepared. Now it is for more seldom, that one finding
one formerly, generally one mostly geographically.
So with the coll. I cannot attain particular rights in my hands —
to work through whole the coll. I have nothing. Ordered
of comp, I'll have without this.

I am surprised in the most disagreeable manner,
that — it comes out from your kind letters, that
your collecting men do not enough so facilitate
your general work. I feel very disgusted at it.
May they take care not to make with you
the same experience, they made with my

My dear Dr. Gray,

I write you in a great hurry & I am
very late to day as I, but I go only
hunting 110 feet at a small distance, I go
to you.

Your letter of Feb. 21 was safely and much
me a most pleasant pleasure. Indeed for all
troubles and all pain, all sacrifice, one
happiest of
the highest benefit.

I have had the pleasure of giving
one to Van Dineen & Prof. here and
filled with your full address. Their 11 York

agents are at W. Morris & Co. Broadway. The books
in boxes outside:

James G. ... 400 tables.
Cichoriaceae.

That one, which I have now at hand - I hope
to be able to find others, as it is a rare one -
and the seeds of the ... with ...

Now, please, let me know, whether the report
of flight is not to high (whether there
are cheaper ways (Lipton, Smithsonian!)).
I made it in fact with 5-£ and they pay,
then you have to pay £. - 3 sh. for this, and
£. - 8. 6 p. for the sending. It is a great

thing, not to make a left ... to his
correspondents & I am very anxious not
to do so, sending all the ... of ...
by careless ... (as are ...
by ...) money ...

Many, many thanks for your kind intention to
assist me as to Orchids. As to Wright, if
comp. I wish to pay him as well as reasonable,
but would be glad if he was collecting again
old plants, and the most possible. Please
make me one of his subscribers, too, that I may
to have an extract at all Orchids. You
know, that it is good to have larger supply.
I admire Wright's skill, but sometimes, he
gives 2-3 species as one! (I will ...)
as to Gilbert's sending me the ...
it is very verry.
I'll be most happy to see Dr. Barry,
and his ...

Please let me know of the incomplete list
of Cuban plants, most immediately. I am
very desirous of having it. How many
hundred! -

of these plants! We have are very
near in all your excellent specimens,
like to much with exception of a few
late & solid days. And even of the
a fresh supply of well known,
characteristic specimens would be
useful. I hope to have whole

the garden changed much desirous
of taking profit of New Year
view.

I also intend to
assist at New for weeks to the
garden service. There all is here and
I have to clear out with house and

Clugias table. Let me say, unhappy situation
has demoralized the whole, and so
there is still all to be done. And I will
gladly do it as soon as I can be delivered
of miserable, shameless trade. I have
even proved from books, that uniques
have been sold, and even a few
months after my arrival at Clugias!
Cottas has sold 2 uniques of Orchids!
(a Lipa and a Dogonisia!).

Let me add to this, as you can suggest
from my handwriting, that I am hyperbolic
and unmarried (when you appear from your
handwriting & your photo. to be a very happy

256 Aug 13, 13,

14

Dear Dr. Gray,

I just leave ~~see~~ for a trip since I do not
will. I suffered while the sun & from
political affairs (so ill understood in
England) and am quite overcome by
public worry.

Mr. Wright pleads the matter to this.
The new lot is prepared and cleared
according to family. But the arrival
of the glorious plants of Hemsbeck
(Orient) exposed to some since
quite fresh and little heated, they
alienated me to the very difficult
work of comparison. of
old lot.

Dr. Wright

Mr. Wright's letter was a journal
in your favor of 66. 1866
in England

Aug 18/66
H. H. Wright
Barrow

Yet I feel it a duty to do something
for Wright and 10 I have purchased
yesterday 24 (twenty four)
£ 4 as hope to be able to pay
them the day (when the boat begins)
to cross however, the next going (by sea)
to Providence ^{to} the town, if I meet
encl^d his ^{in the} ~~religion~~ & much abroad, &
I experienced since he is in the
country, where a number of his
family is ill.

If I do not see him, I'll
pay the money as soon I return
(in 4 days) so that you may

disput^e of it. The other part I'll
pay as for the annuities
will be ready perhaps only after
several ⁷⁵ weeks, if I go over to
England - Yet I think not.

I add a very bad list of freehand
duplicates made by my gardener
Yet I fear bad many greenhouse
plants, I provided I know, what you
like, also those plants, but nearly
no Outside.

If a great hurry
Yours very truly
Hampden
48 Aug 1866. H. B. Litchfield.

Howard University
or Harvard Univ.

It perhaps not come now over to England
having just discovered my inspectors of
N. Gardens to be a betrayal & beings of
course involved as trustees in
the political inquisition.

I was very happy by your letter of
Aug 3. 66. Cheers to you for your
honest judgment on poor Germany.
It is indeed the one good thing
possible to make peace in this world
with Bismarck but it is the best
time that Bismarck's Government
may at length begin to
begin to be magnanimous and
generous. His work shows only
to make pay and make pay,
quite as well as some popular
mavery of Italian mountaining.

My great gratulation to your (happy)
but the monster itself is common
& I approved it lately with a
Phajis & nobly without
flaming out.

Then the Barre may be
the son of the Barre who collected
- James & Canada
Orlando are not here from
Göttingen. You may be abroad and
is extremely slow in passing, so
that months may elapse.
Many, many thanks.

Depend upon, if I could be of
up to go. (that is to say of mine
up as honest man are ready
to be, not as from Lottman)
It would be gladly. But if I

Glodia canadensis. You would do me a great favour
in giving me an answer to these questions:
1. *Glodia* wandering with you, extending
its range by giving
it is regarded to the power of filling
a cleft of boats for its destruction?
if so, which are the principles upon
which we have with a memorial on it, since it
I am convinced here of many lakes & channels & is regarded
has taken possession
very obnoxious.

3, whether you could not wish him to collect
again what he already collected. I don't doubt
his success
4, whether he could not be won to collect
at a stipulated price at least One shilling, as you
think not impossible.

Many many thanks to Darlington &
Ctting.

I have now the catalogue of my sheets
greenhouse plants ready. I will send you an
extract of the duplicates. We have many good
duplicates and I boast from happiness
at the idea of assisting you. I intend
later to send catalogues of good plants
to my confidantes, asking, what they
like to obtain multiplied. Multiplying
without free applications I intend to
give up, since the loss of place is too
time

Bentham, Belabod, Bentham) had just a nice intelligence of the family as you papers & I was quite happy to observe. Yet I have a very few remarks to make:

Platanus bicolor is according to my opinion nothing but the wood plant of viridis, the meadow form. (C. O. C.).
erog. pl 83.

Goodbye: pollen masses sessile on a graduate ped.

Tipulera " connected by a linear membranous stalk 'c'

Melitis: 8, in pairs, with a powdery stalk to each pair sessile on both ends of it (C. O. C.) forming the row.

Corallorhiza: poll. 9. in two rows.
That is all I could say. You feel it is very little!
I have not Platanus not and folia; (C. O. C.).

I had a very bad winter from pneumonia & intestinal catarrhes. What a disagreeable illness. Now I begin to feel better & will write you I hope soon.

Very faithfully,
J. G. R.

Wm. R. R.

Albany
April 22 1868

My dear Dr. Gray,

Here are the books. & You I am quite sure I cannot write a letter. I am very curious whether your new Manuscript that must have quite a golden book, shall contain all these! You are the one all letters of yours. You asked, whether I had any proposition to make as to the new edition.

I have one capital, but I am afraid I cannot see it. But great matters as you are not now conscious of the feelings of beginners, & thus you may forgive me the remarks, that I dislike something in your excellent manuscript, as is nearly all similar books.

You give a Bee of the family at its honey
& then all genera one after the other without
any interruption. I say, that this is
highly objectionable to beginners: the names of
~~groups~~ tribes etc. should stand in capital
letters between the genera for giving
people the custom not to combine
them as equivalent.

In the school edit. 1864. all the need of
compositis is only interrupted once p. 238.
Now imagine what an improvement it
would be for poor beginners, who
rejoice from advice to Centaurea they

would see ^a Cyanocephala or Quercus.

Depend upon, the beginners will not enjoy,
Your bees, because it is beginner's nature
to overlook the general character &
to hunt among species. Others do it
likewise & make blunders, as the
totally wrong character of Silene,
Jubipitum, before, Phytolacca is all
lost in the consequence of the wrong
system.

You allow me to make some remarks
on Anti-D. Let me say before that I
wished our European parents (Genl. Gordon,

My dear Dr. Gray,

I intend to bid: away with your Obedt.
 Part of this. I hear I must retain ~~some~~ ^{part}
 longer a few, as I like! Oh, had I only
 not done his work. Letting up is useless. I
 hoped his drawings would be of use - as
 generally. They are excellent. Poor Lindley,
 he tired himself as long he could & then
 he could no more. I am quite heartless as
 to this. Letting, for one must have much
 materials for coming to an end and of
 civil and good they are at New, I would
 never suppose for a second of flowing
 from Lott. types to be anticipated, as

8th June 1867
 I have just received your letter of the 2nd inst. & am
 very glad to hear that you are well & happy. I am
 also very glad to hear that you are well & happy.
 I am, dear Sir, very truly,
 Yours,
 J. R. Seward

receiving. Thus my own hope is gone. After
 all I have the majority myself and as to my
 collection of in very liberal to make up of it
 for science.

Your part of the book is also to you as long
 you take out the work now. - The first vol
 is off. to me for 129 shillings (45 shales).
 other parts of the period for 126 (42 shales).
 As to your wish you should permit me certain
 prize and give me cert blank to take it. If
 you will generally come to take.

I will like to find you all your plants.
 there would amuse you? be afraid not - I
 wish!

I am great
 very faithfully

(Young)

J. R. Seward

July 1867

13 April 1867.

Don't think you have kindly but me
 long to Anacardium occidentale; the small
 thing a slight modification. I got specimens
 from Endicott, Chamisso, Ganders.
 I know of no other specimens.

V.

If Kinnear had died, as you suggest,
 you should have the book, - take out your
 part du lion, & let me have the rest
 by all means. I cannot think it will
 do any harm at present. I am
 yours, &c. &c. I would get as much
 again, poor man.

V.

for me, when commencing with a Pet. in the
way of Fritz Suma, adding Syconium (I
dare say. Quite indirection!!)

I had the pleasure of sending to
Dr. Hagedorn (his wife's gift) a
packet (very well covered and clothed)
containing

3 vol of Jones, the 1st you want viz.
Labret, Perfumery, Umbellif.
corp. 580 plates.

A copy of my Deities & etc
Orchid. 50. Central America with
10 plates each. You may

dispose of the two duplicates
as you believe to be good. One for Wright?

Paid 1/2 and 1/2 to the dealer. H

I find fruit of both *C. in* & *glazaria*.
Not at all good as I wished. Very good,
that you want, what I had not good,
since I remember I lost the fruit &
gave of course all back, I had not
doubted. Depend upon it, they are
true, taken from specimens. I just
saw this night a little capsule of
Limon latif. I a friend had but one.
I like to send them. I like to give to you, I made
before giving for my little
a microscopical dissection for my little
Complex of Props (as you may have one &
Kewer have each one!). It was
— a Pimpernel! (no doubt,
Tregium!). I never was so
deceptive, then with umbels, as
so many names are wrong and use of
verbal collection I quite have avoided.

it is not to be done but I will do it
if I can. I will do it if I can.

They must be studied species for species, every species
after - for coming to conclusions. My having
explained Strickland's ideas, before wrongly
described everywhere is quite puzzling.
Generally they work a little better - one species
is looked at pretty well, and approximated what
look alike. #

It were no hope of having Hall's Harbour &
Perry's plants? I would like better an exchange
than payment & would offer me of one plant,
very rare nowadays. I would gladly send them
to you for that gentleman, I feel that not to have
the accident of had with Tucker. #

Please - tell me what is your judgment
on bonds (private question)? I have a few &
am doubtful, whether it be good to invest money
in them? I dislike the much talking about
question of payment. There are things so very
natural, that one should not talk about. - What is
the diff. of a dollar in gold, silver, paper? #

I think very often of you, my dear Dr. Gray. Your
being such a happy and clear man is no doubt a
good deal the merit of Mr. Gray. Would it be un-
indiscretion to wish her carte shot? Then I would
acquire a little more of your life.
Very faithfully yours
H. B. S.
Dec. 21. 1867. A merry new year! #

The horrible money must be done ineffectually
in heart of the artists. I cannot work up
a volume before beginning with sculpture.
Hence I go forward as a blind man, and
cannot imagine to do more, than to give
a most careful study of the single
objects as materials allow. Nothing
is more valuable, than the Orthops. etc.
of Rock. Yet I adopted them afraid of
not being able to overlook a new
order, as indigitated by Tenthredin, &
my good Mary. Thus generally when
a volume is done, I begin to wish to
work over again the matter, if
believe, I have some good ideas as to
Labiatae & Monob. I would much
do them once more, but totally wrong
for the world. One cannot judge
well a family without going on
the whole.

As to your wish of Karsten I looked over
all ant. Catal. Not much to be done.
Only found with Friedländer.

I find letters (please send them later)
Last offer of diamonds
every part for 12 shillings, =
36 shilling.

Shall Jordan & Co. send the work to
Mr. Flügge who is a very civil, that he
will undertake the collationation.
Sending letters & have the Leipzig would
more useful expense

I will no doubt take one lot of
Hilbert, since you wish to do any thing for him

Please add the Optician's address & Dordrecht
if you kindly promised me.

quite curious & difficult for your Enquiry
difficult.

As to U. St. Defide. I'll make a list, please
you allow it to be done

What a pity is Wright's loss of plants!

Shall I find next spring your Defide.

of living plants?

Chief, I depend on my acquaintance as to
any thing? so as to Munich. I wish by
that find a Botanist, as you are
should work there. Ah, if the attention
was not between us, how would I like
to work with you!! I am extremely
rich in Munich & have endless
good things. It is a ridiculous reply
as it is to be, that a few of the odder
things must well be resubmitted.

I believe the collection will then be cheaper.
Schultz's publications having not been numerous,
& he having never made the newspapers &
pursued study on the types, I cannot
regard his collection a rival of Hooker's
ferns, Lindley's Orchids, Matthei's ferns etc.
Let me add, that no specimen is poisoned &
that he scarcely often part money. All is
done by begging robbery (he never put back
loves!) or in the best case by exchange
when he wd. to offer miracles & to buy
common weeds (viz. Bell's perennials & Lh. Bips.)
You understand, this is not the way to keep
friends & they he was highly disregarded
by the majority of botanists - What would
interest you would be Mrs. Astor's & that
he appears to have paid.
Vivet Synopsi Graeciae!

A thousand thanks for Opium. Yet it came like
snuff tobacco. Ah, pluck, but me his adage.
I must try to get fresh firmness by himself,
provided he has not perished in war.
When Chepman starves, I would like to
punch his hub. with You, provided it was not too
expensive I am very poor in that for their
plenty.

Bondy. All I liked to know, was your
opinion, whether the St. would pay both interests
as capital in gold. I got some & would like
to invest some money more in bonds provided
I was not troubled by all these rumours of the
democrats wishing the debt to be paid in
paper or not at all. We greatly dislike
to invest money in industrial affairs, since
one is generally at length robbed by directors.
Here there are left to us railway shares &
public debts. But there is actually little
believing in public honesty. There have in
Austria the intention of taking duty of their
own public coupons, as they do in Italy -

My dear L. Gray,

I write in a great hurry.

I had two excellent letters & the ^{came} copy yesterday.
I'll send this day the bundle. I believe, I must
advise Woodland, that not the whole is his, but
one specimen. I have found a good fellow to have the whole for him.
He is gardener at Heinenhausen near Hanover.
I am most thankful to you for Volcanus. Mine,
as any thing you send through your hands. Let us

my dear L. Gray, make me a happy man. Let us
name *Cypripedium* Bolanderi L. Gr. & Pursh. & give
on the number. *Myrica* *malheur* I thought the
number of the *Pentstemon* & *Cyp.* in confusion. Only
this, I hope, fellow had never any planted *Cyp.*
to name. The *Pent.* I have I know, I am a
have the fruiting from Oregon.

Let me offer of an exchange for Bolander, please
give me a short time of consideration. Your
plants, really the splendid bundle of yours with
Dactylorhiza were the first moment of light in
a very dark time. I lost my good excellent
mother. I had not much news from her at that
a distance, but felt so happy to know she was
in life, & to see her from time to time, I
to have a letter. I could not hear of her illness,
could be so affected. When I got the news of her illness,
I was ill in bed, I left the same night, but came too late.

My dear dear Dr. Gray,

ah - that was a grand, a grand letter the best of
all. The hope of seeing you - I believe I never
me to the out between from hundreds from the
carte, not at all, but the opposite impression I have
from a very bad earth (as you say) of you. I saw
with my dear Dr. Wright 1862

How I long to make my annual visit to you,
when I expect to be ahead to 8 weeks, please him
on down, when you come, if to Dr. or to H. J.,
how long will you stay. as the other I
am extremely both captivated from the fact of
being at my impatient of the visit. Being
the point of the matter.

you is so much to thank you for the same, that
I have swallowed with great pleasure.
that I have come. Just at Richard D. J. of

Leading paper came. Just at Richard D. J. of
to England at, but it was already in Dec.

At last they would have returned it to the head of the
river. I am not out with me. Had he
given me a deposit for - Cushman, I would
have received him.

Books are ^{carefully} despatched - I have for Dr. Cushman,
receipts at hand. I confided the whole
consists of nine parts, viz.

4/9 Wendell

2/9 D.C.

2/9 - R.C.F.

2/9.

1/9 D.C.

The last

If Mr. Gray should not be disappointed but would hope
at least the parts will be with you.

Not a review - but

a review -

Hambury
Jan 4 1868.

Very faithfully, & thank fully
Yours

Wm. J. Parker

I am very glad of being I have
Sharia (for paper!).

I believe, then must be plant collecting in
U. St. Brazil Florida! If you would make
water prizes for the best roots! If paper
was to be had, it would perhaps be a
matter of few ^{with} \$ St. (= pounds) - I am afraid,
you would get a dollar!).

267
The more I know of you the more I love you
I am ever your affectionate son

6, I have to give two lessons from 4-6 to
then my last pupil expects me to give
him private advice & select specimens.
(It is just 11 o'clk.) There you have a
little letter from ~~my~~ day. I have not
for a happy position in D. Hooker, who
sits as the Director Director of an Observatory,
having his undispleased for all and quite
forgetting that, expects all to do quite
work —

I feel most thankful for your kindness of
writing me. My father indeed wrote, how sorry he
had been to see you. Yet I was very young, he
had not seen Mr. Gray — the personal explanation of
your better temper, so well expressed in all you do
as in your joyous pleasure complexions — I was also told
by Mr. Hooker, that Mr. Gray was in delicate health
probably, not very strengthened by the trip.
My best respects and most cordial wishes to you both!

Very faithfully & tenderly
Yours

Hambridge,
Dec. 10. 1869.

Wm. Brewster

My dear, Dear Dr. Gray,

When I saw you well known handwriting
I was full of good hope to see you ^{two}
soon here & wanted only to recommend
you once more the old-fashioned rather
green, but very historical town of Lübeck.

Alas — these hopes are all over here
moonshine! Whether I'll have the advantage
of seeing you at Kew, I do not know.

I am not sure — I believe I shall
a trip for relaxation — is August.

I begin Sept. I have to endure

been an international flower show. I hope
to leave the place immediately after
having been just frightened of all
the visits of the gardeners and
amateurs.

I had indeed here the Haskins
couple and their Rapunzel from
St. Petersburg, a very old dear friend and
very leafy correspondent. I took a
terrible cold & was very indisposed for
a fortnight. I do now a little
better & go on dried Orchids as much

as possible. I ever heard, I would
not this morning over more on your.
Yet - apparent:

- 1, a cake of Visitor with 4 very
difficult things.
- 2, a cake from Great, Van Houtte
with some doubtful Eridandras.
- 3, (ordered by me) branches of all
our Dendrobes in the bot. garden
- 4, a letter from Wells from
Mad Oeynhausen with flowers &
a packet of a most remarkable
undescribed Orchid (H. grandis).
- 5, an official request to find the
garden - Budget for 1870.

I hope, you may be in better spirits,
 than I am. I wish you will be able
 to do much work. I am very
 disgusted of all that life seems having
 come to put a place that would have
 been good to me. I have lost the best
 assistance in any way I people expect
 me to do half of what I could. There are
 moments, when I think a shepherd a man,
 looking over the sheep. I depend upon, we
 stand all together in the good luck of port.
 I had nearly anything of it.

My respects to Mr. Gray who had the
 universal good luck to make the acquisition
 of young Mr. Gray - as he will verify!

Very faithfully & in
 much haste

my truly Yours

H. G. Richardson

Dear Sir,

Aug. 21. 1874.

My Dear Dr. Gray,

a letter of yours is a lucky, and
 nearly unknown evidence to me.
 I can but answer, that I'll do what I
 can to please you & will write later.
 I am just leaving - intending to
 visit London &c.

I expected a golden medal of yours
 for being retained your Obedience, from the
 want of time to have been sent without
 my keeping them. - So to send it,

I have no pleasure in Q. work before I'll
not leave the picture of the best of Dr
Lindbergs type in my hands - & that's
my ~~current~~ work at K. & I do not
morning part. Yett's will much
be fulfilled.

I saw Mr. Villivert with
a corpse of 7 with ~~various~~
(just to fill a compartment of
rail road wagons! how practical!)
at Dresden, but having to spend
a surgical operation there.

was quite ill, & I fear has but a two - three
times. I hoped to persuade her to
go to Rome when coming,
home from Firenze, Rome,
Naples I could have devoted her 3
days (an enormous time for an
man of my age), but she
had disagreed. I believe for
the illness. It was only for doing
not being able to do towards to you
more and more, I was so sorry if it
perhaps

My dear Dr Gray,

a very new year to You & My
Gray!

All right! But please,
I write ^{by return} ^{agents} ^{address}
courier! Your New York
seat of Berkshire pamphlets
I had the honor to lay before
You. Chief. I suspect You got
not all. As to Jones it is
my principle, not to give
fragments. Leg. Vol. is not
finished. Work. You have got.

My dear & Mary

I finally succeeded in putting I have
packed your Obedience down cleared with
Hearst's Gellert.

Though you have not of my offer, I
sent all the pamphlets I had at
hand. Accept them kindly. You
have been very good to lend me so many
many things of print, a good deal of
which would have been unuseful to
me for my life.

Many thanks for your letter.
I but you a great
blessing partly my Epitaph
nonchalance.

Your kind letter contained some
misunderstanding.
I have complained deeply that for a
long while I have been here I had nearly
no interference with you. You intend
to send me a list of those areas
particulars I would be acceptable to
you as list of wanted books. I would
certainly have

regretted journal Miss Vicks Albert
silence in the best system for coming to
an end in reference This is of what
I feel deeply sorry. That we would

May it is a great mystery. You feel
that a wrong about you
mounted plants. You grow them
personally & we had in the necessary
an interesting correspondence
about the glorious Mrs. Hubbard
other things.

I am here on route for Amsterdam
congratulate & at home in 3 weeks I am
back & stay.

New
March 28-77.

Very truly Yours
Prof. Burkhardt &

from your flora my new
 with Cephalanthus, &c.
 described.

 Do me the favour let me know
 about pamphlets. It is a very
 serious thing I must be
 studied to the ground.

Yours truly Yours

H. J. Pennington

Hamburg,
 11. Cumberland,
 Oct 1877

Amsterdam conveys very curious. What
 modern Hamburg. Little English displaying
 his new anatomical system on birds or
 evidence that what has homogenous and
 characters bring together. That modern young
 men only want to do the contrary
 of their predecessors & thus
 caricatures of Mr. Deane.

My dear Dr. Gray,

many thanks for your friendly letter.

It was a bundle apart of pamphlets
 I sent, viz.:

Shiller's Oberdieschmied.

Orchid. Centr. Amer.

Orchid. Michigan von Seefeld. and

Orchid. Parisianae from Lit.

Arkalien Orchids.

Small things:

Sonder on Hamburg Flora
 farwandelagen.

Campanula Hergmanni.

Morphol. Orchids (specimen from Herbarium)

Naturgeschichte Vorpommern (G.)

Specimen from London Congress

" " Amsterdam Congress

There is a little hopes they were only
forgotten, when laid out. I write by
same post to Westerners.

#

I congratulate you of your work —
Am. fr With your immense material
I with your deepest knowledge
you will I hope look by some
over the task.

As to myself I am very hopeful
to reach the aim of my life.
The Parisians reconciled with
us at Amsterdam I thought
Dureau is quite fine. So have
me at Paris I do send or give
me what is not type. Only —

that I should do at Paris.

#

And then after Blumner & Miquel
farmer finally Leyden is acceptable
I did the Japanese Outside a few
days ago (poor fellow, Miquel!) & fitting

Blumner private room of
was quite at home. They even
brought me —
matches (knives!) & I lighted
a cigar against my habits
only to be able to squeeze my
dear friend Oliver & Dr. Hooker.

#

I hope you will not exclude

511

not ask

Cards sent to Burgess

My dear Dr. Gray,

Many thanks for your comforting
note, your papers. Have I the address
to you or to Mr. Seward Webb
for business (or for our) of Oct. 1876?
I want them much!!!

Do me, please, that new kindness
to send to the young lovely couple
Edw. Burgess my cards! I have
also no direct opportunity being in
address. May they be infinitely happy.
One says marriage my good
occupation, as though Prof. Dyer.

My best respects to you both &
to John, whom I hope to be
at your side. How astonishing, he
gave up for a day, he once suffered
so very well!

Very fondly &
in great hurry
just having to go,

Wm. L. G. M. G.

Handwritten

Jul 15. 77.

an. anglo-german philologist of german descent,
 a chinese merchant etc. etc. and it
 was quite refreshing to see the Hookerian
 couple delighting of the fine
 actually talking about the mental
 power of animals, law question etc.
 A fine stroll through the wood
 with wonderful sights on the hills
 ground was the conclusion.

A thousand thanks for your assistance
 as to the Delphinium.

And now my desire.
 A friend of mine, Dr. Dietrich of Göttingen
 near Meisburg, professor of a wonderful collection
 of trees & shrubs, intends to send a
 collector to Canada & wants some information
 about Conifers. I am afraid they are as scarce
 as in long intervals as the
 standard Conifers in California. I write to
 Professor Sargent about it by you, to write him
 a friendly line in my favour.

My very best regards to you both!

Very respectfully Yours

H. Reichenbach

Hamburg XIII
 L. Duvalstr. 12.
 Feb. 9. 87

My dear Dr. Gray,

I had intended to send you my
 highest regards & best wishes, to you
 both of course, at New Year. And there
 is my worst period as I have no
 assistance of any kind and must bring
 in order myself all bills, reports etc.
 sending cards only I disliked — and now
 there is Feb. I finally I write —
 and now forced as you will read
 further on.

I send you my ^{phot.} card as a fresh
 souvenir. How lucky would I
 be to have those of Mrs. Gray — of
 my dear Dr. Gray?

I have spent a delightful time at New
last autumn - nearly four weeks, passing
over like a few days. How her manner
changed.

Bye is an excellent Director. It is a
silly he cannot do much Notary, his
power appearing me quite uncommon. But
as he is, he is fully Director. When they
took a Jane's man I did not understand it.
But if one knows Mr. Morris one thing
it fully wife.

Oliver & Nether are always the same.
There is, however, a bad talk, about O.
intending to return in some time.

Mr. Kennedy has been won after
for New & this is very useful.

St. Joseph appears in average twice
a week, nesting in the Newchamian
room. You may always see in his
neighbourhood a bag, the undoubtable
proof of Lady Hooker being in the

place & watching St. Joseph by preventing
his working too hard.

I was invited to spend a day with
St. Joseph & Lady Hooker at the Camp,
Lunningdale by Staines. You have
a certain distance from Staines before
you enter the forest for woods & at the
left after a little ascent on a heath
with the unavoidable Surrey Euxine, you come
to a hilly ground, partly deprived of
the fir & planted recently with
firs. There is a very neat
villa, built with uncommon taste
& this is the residence of St. Joseph,
who enjoys of a new life & a very
young daughter, that likes to
be carried on the arms.

Several neighbours, some - a
very acute high-ranking man of the law,

1/3.

And now, please, take once more
my cordial excuses. I feel very
sorry. You must remember I am
overcome by official work, correspondence
shindered by want of room. I'll
copy our excellent gardener
Asa Gray, I'll retire in a short time
to live what time may be granted me
for my plants, ^{my} herbarium,
my ^{English and Italy} Orchids, ^{you know} now
much unpublished work rests under
my fingers! I'll retire as to despatching or to draw.

I would like much to have a
sight of the invoice of your
soul I send you a copy of mine
for your kind acceptance
Never mind if you think I want to
appear agreeable to you. I hope to do it better!

Hamburg, XIII.
Feb. 9. 87.

Yours very truly
H. G. Reichenbach

My dear Mr. S. Watson,

forgive my stupid silence. Two
of you O. I knew immediately & as to the
third I should have acted immediately
the first necessary questions (there was
no label) at what period it flowers &
how many tuberculous roots are
de rigueur — and whether a little more
was to be had. Without this there
is no coming to the point. Of course
I have compared it with my
sets, that contains some splendid
Grayan gifts.

I would wish you a quack, but the elder
I get the more provost of I become

It is quick another game with the
two others.

The Florida Novembris *Cardis* is
Epidendrum ^{*Biden*} *dentatum* Lindl. g.
L. p. 98, fol. No. 81. I have
ascertained this to be a synonyme
of *Doothianum* Lindl. D. R. 1888
misc. 7. L. fol. No. 3. That one
you have will from Wright
Cuba & if you have in the
mean while obtained fresh
specimens, you will have

undisputed it at once. I have at
least no doubt, though the
materials was not very
satisfactory.

Taberna *Garberi* is already
described by Rob. f. in 1844,
a little earlier, see *Linnaea*
anno citato, p. 407

Taberna *odonopetala*
as *Taberna* *virens*
A. Phil. & Gal.

lent. That I have not *G. piperitum*
glomeratum I wish it so much.

If during your work you have
special wants of plants of Europe &
Orient ^{Cap} let me know of it & do not
despair, if I cannot help in some
case. I may be able to do so in others.
When at rest, I'll be able, indeed, to do
more as all my plants will be in my reach.

A great grief to me is the part of
my Herbar. after my death. It was bequeathed
to Kew, but I shrink more and more at
that botanic mob in England. I do not see
what hope there is, to have our orders
followed after our death. I like so much to
know me judged after my life by botanists,
but that English penny-a-line mob is
more naughty in my eyes, than the worst
Irish outbreak.

Yours very truly
H. G. Reichenbach

Hamburg,
May 25. 87.

502.

My dear Dr. Sørensen Walp.,

very many thanks for your glorious
photograph, that makes an exceedingly
sympathetic impression.

I have the intention to copy ~~some~~ ^{all} *Agg*
Gray in retiring 1889. & then I'll live
at some good place, perhaps Leipzig,
may most probably, for Quercus & for
my pleasure, both running together. I'll
do, what I'll be able, depend upon.
Here I am the man with broken limbs.
I now have a wide bedging, my collecting
an under four roofs(!), Octob. of
course at hand. The want of space

during the 24 years of my presence
at Hambro's way is abominable
drawback. Another is my correspondence
with gardeners. I never name by memory,
though I generally know the things at
sight, but I always call upon my
collection. I must make an
alteration in 1889. I always think
of the good time before my horticultural
career, when I could do
what I liked & when I liked & how
I liked. If I had spent that
irreparable time I gave to gardening
I am sure to men, women &
amateurs to men, women &
would have done a good deal
more. My heart is with science,
not much with gardening, & very often
half or not educated people. Some of our
amateurs are splendidly induced.

I hope to catch A. Gray & Kew. We
have no man comparable to A. Gray in Europe
nor this may we have had. The combination
of the highest botanic talents, this
wonderful restriction to certain lines &
this ~~wonderful~~ ^{unique} integrity of character are
quite ~~granted~~ & I long for the
happiness of seeing my hero once
more. Generally it is a great blame
to be the man without any fault
in A. Gray it is the highest praise.
I would like much to have
a lot of your daughter of A., most
of Graham & I would like to see
the new *Quercus*. It is the
same with *Quercus* of Y.

Mr. Professor Asa Gray Cambridge Mass.

Dear Sir,

I received your kind letter of Novbr. 25. before
some days and giving notice, that my announced
sending not yet had reached your hands, you ask
also in which way the package is sent. I send
books and botanical collections ever through the
Lini Theonian Institution. Mr. Heigel at Leipzig
informed me in these days that the box for the
Lini Theonian Institution including my botanical
sendings is gone away from Braunschweig with the
Steam Post on the November 19. I have the honour
to announce to you the sending of the IIIth Volume of
the Herbarium of the Musci Frondosi, which is
forwarded this day to Leipzig. The Volumes IV and
V. (containing the Phascaceae, Splachnaceae, Funariaceae,
Tichostomaceae, Psotaceae, Bryaceae and
Supplements to the three first Volumes) shall be
sent in the box Nr. 459 of the Lini Theonian Institution
ready to sent out during the January.

I have the honour to remain in the mean

Zeisbrücken (Rheinbairern) Germany
13. Decbr 72.

P.S. I beg to address your kind next letter to
Erlangen Bavaria

Yours
obedient servant
Paul Schimper

My dear Sir,

The other volumes of my edited Herbar. of the Musci
Prondos of Central Europe shall go in a few days
with some other botanical sendings for America
to Leipzig. To the volumes of the Mosses I have
added also some microscopical objects, especially
microscopical Algae and Fungi - a branch of botany
in which I am from my botanical Studies most versed -
under these some of the new detected Algae published
in *Nachrichten Algae Europae*. I shall also add a
parcel of ^{characteristical} *Phanerogames* of the German and Helvetican
Flora - I was very obliged, if I could receive some
Specimens of Freshwater and marine Algae of North-
America and other Objects of the microscopical Botany,
I could till now not obtain from some botanical
correspondents in North-America. If these objects
should come in my hands yet before I close this object,
could be yet examined before the finishing of my new
^{botanical} *work* on the Biology and Systematic of microscopical
plants and could find a place in it. - From
the Flora of the North American Continent I have
received

during some years from kind botanical friends and correspondents in the United States especially from Rev^d Prof. Thomas C. Porter and Rev^d Mr. Bebb a tolerable representation at least in reference to the Genera and Families in my collections, but although there are many breaches in reference to the Species. I would be delighted of making more complete these beginning of the North American Flora and I would receive gratefully contributions to it for purpose of becoming acquainted with the North American Flora, I have the intention to study later more entering on the place.

I have proposed to make a scientific travel from spring of next year '74 in the Western and North-Western Countries of the United States for purpose of exploring the nature of these countries in reference to botany, Geology, Mineralogy and geographical exploration also in reference to Archaeology. If I could receive from the Government of the United States, from the Department of Agriculture or from some scientific Institution in the United States some support for these scientific

travel of exploration of these countries not only interesting the natural Sciences but also from practical use, I believe the knowledge of the natural history of these countries should be advanced to a higher degree. If you could interest and support by your intercession a little these Scientific undertaking of a striving and active German learned man rich on scientific knowledge, the Science should be one time thankful to your once interceding.

I recommend myself, my dear Sir, to your benevolence and I have the honour to be in the mean time

very faithfully

Erlangen (Bairn)
Germany
28th April 1873.

your obedient servant
Prof. Rudolf F. Reichenow

I add thereto my photographs, asking to send yours in return for my collection of botanical friends and companions.

very faithfully yours
R. Reichenow

Prof. Geo. Gray Director of Botanic Garden Cambridge May.

Dearest Sir,

I had the honour to receive your kind letter of Octbr 7th in which you have the kindness to inform me, that it was given occasion for a active naturalist to be attached to the next U. S. Government scientific exploring party. I am very obliged and thankful to you for the kind offer to recommend a striving active learned man. The man to whom you are willing to give your recommendation however is at present not yet a man of first rank in the science, but in one branch of Botany at present with all right he has the honour to take a first ~~place~~ ^{step}. For some other branches of science he had also made some acknowledged contributions to science. I have the honour to add herewith a list of all my published scientific treatises and greater works and also some of them. - I come in the United States as soon as a greater work on microscopic Plants is totally finished, a scientific work probably the last I have made in the old world. For the purpose of better accomplishing the great number of illustrations exactly and promptly, I have had need to establish a own lithographic printing office. All the tables of these works have been drawn by the own hand of the microscopist directly from the microscope on the stone, and what may be well remarkable for the history of these works,

Some of the tables have been also printed by the own hands
of the author. During three months had been finished in my
own business more material than it had been possible in
a "privileged business" from the same proportions doing
a year. I have satisfaction to see, that these new shortly
learned art, very useful for the naturalist, publishing
greater works on descriptive and systematic natural
history and hand-drawn had been from some success,
and that the last productions of my press can hold comparison
with productions of the greater and well ordered business.
I have intention to order in America also a own lithographic
printing office for production of the greater illustrated
works on systematic natural history, and I think to work
with some more success and with more technical and

peculiar means as it is possible for me in the old world.
The great progress of the handsome and useful art of
Lithography should get also the science. —

You had the kindness, my dear Sir, to invite me to turn my steps
to Cambridge and I accept thankfully your kind offer. For a
naturalist coming from foreign attached to the Government exploring
parties it is advantageous that he knows the persons and
collaborers of science to which he is attached and with which
he is called together to work and together various unities
to promote the science also that he is known in every
respect to them. I hope some difficulties, may being present

in beginning of activity for a foreign naturalist
shall be removed in view of work serving the use of all
in view of term to promote and to increase only the science.
The branch of science in which I would principally
put in effect is Botany, I make myself obligatory to
laying down the results of Botanic explorations in some
handsome works for which I would establish the
technic execution of illustrations by own activity.
As naturalist engaged and attached to the official Commission
of scientific Exploring of the United States I had in the service
of the Commission no other conditions or pretensions as they
are usually.

I recommend myself, I earnestly do, to your benevolence
and I have the honour to be in this mean

Erlangen (Baier))
Germany
Jth Kovb. 1873.

very faithfully
Yours
Prof Paulus F. Reineck

Englaurgen (Bavaria) January 25. 1875.

Professor Asa Gray at Cambridge.

My dear Sir,

Some days ago it had been sent the
1st Volume of my *Contributions ad Algologiae*
et Fungologiae just now published,
with the other Copy of this work for
America to Leipzig for transmitting to
Washington. Regretting that to the
Subscribers of this work some months later
than at first proposed could be transmitted
this Volume concerning with the technical
difficulties of the manufacturing at autographo.

In this work I have been mindful also of yourself.

A pretty Collection of marine Algae of North-
America sent to me by Mrs Roy in Canada increased
the Science at some News and increased the tables
of this work on some numbers, amongst other
things also a pretty *Hypoglossum* / *Hypoglo-*
Lepricuri. Ag. Nit. the next but distinct by the
lines + lobulae not numbered. / growing on
the *Rhizota plumosa*, to this plant I have added
your name, also to a nice small *Porphyra* also
growing on greater *Rhodophyceae*. Upon the
stem of a *Polysiphonia* securing very abundantly

atlantic
on the shores of North America (*Polys. fastigiata*.
Haw. Phycol. Britan.) I detected at first the very
remarkable new parasitic Genus *Choreocolax*
(χορειν πεντράτη, κοδαξ parasitē) in the species,
Choreocolax Polysiphoniae, the first case of a true
eutophytic Rhodophyceae. After this detection
it had been found one after another on marine
Rhodophyceae from all oceans of the earth a series
of species, filling in my work 12 Tables; and
given with this observation the first incitation of
inquiry into this direction the science may be increased
in course of time with some remarkable facts on
Biology and Physiology of plants. —

In the last year I have prepared a command of
the Royal Gardens has an extensive great collection
of the microscopic plants microscopic prepared and
conserved for microscopic examination embracing a
critical examination of nearly all the known species
of the microscopic vegetable world — a work the first of this
kind. I hope to be able to add for my American correspondents
with the dealings of this year delayed at the passed years
single parts of this collection. The microscopic botany
i. e. the study of the microscopic plants visibly
grows on importance not only in respect to

the advancement of science to physiological
biological and morphological questions in respect
to cardinal questions of more universal character
(constancy variability of species, if creation? if
developing?) to which the organization of the
lowest and simplest state is able to furnish material
for answering, but also as a beautiful mean
of instruction for older and younger youth and
of pleasure.

Recommending myself, my dear Sir, to your
kind remembrance I have the honour to be

very respectfully
yours

Professor Paulus F. Reinsch

YOUNG MEN'S HOME. — DEUTSCHE HERBERGE,

28, Finsbury Square.

LONDON, July 4, 1876.
E.C.

Professor Asa Gray Cambridge, Mass.

My dear Sir,

Since some days staying in London, where I have had a few to do in Herbarium Kew, I was at first disposed of prolonging my journey to America and it is possible that I can perform this undertaking. If this should be the case I beg kindly remembrance of myself and if I have reached America I should like of making use of your kind invitation and to turn my steps to Cambridge.

I have in the last month closed and presented just now a very laborious work, the examining of the Freshwater Algae of the British Transatlantic Expedition 1874/75, which material had been delivered to me in the last year.

In the quiet life of a scientific ~~German~~ man
since years uninterruptedly scientific labors
dedicated would begin the first step of entering
in the great world.

With my kindest recommendation I have the
honour to remain in the mean your
very obliged friend

Prof. Paulus F. Reimach
of Erlangen
Germany

Professor Asa Gray Cambridge Mass.

Erlangen (Bavaria) Germany.

My Dear Sir,

Some days ago I received your kind letter of Febr. 22th, my hearty thanks for your newest kindly done steps in behalf of my affair. You had the kindness to write upon an other occasion for me to get a place as naturalist in species as botanist attached to a Commission going in the North-Western U. S. Districts.

I understand by your communication that not any Commission in the United States is sent out without not bearing men of science and with this to increase the science, that from the authorities brought material support documenting the interest against the matter. After having expressed in the spring of last year my wish to get some facilities from any scientific Institution or elsewhere in the United States for my undertaking

of a scientific travel in the Western
and North Western Countries of the U. S.
you have had the kindness to inform
me that the best way for me was to be
attached to some Government Exploring
party. Since your first communication
my affair seems to have some success
East more success than by the Government
of my Country from this I could not
obtain some sustentation for this
purpose. — In regard of myself
it shall not want at first to meet
some difficulties but in view of the
results to be acquired for the Science
also these shall be removed and I undertake
the — perhaps not unfounded — hope after
some sufferings and disappointments here
that it may be succeeded me of having
realized as naturalist and traveller
a long entertained wish in the continent
the most interesting for me.

The man you sustain with your
recommendation is a man from a
united and pious character from
a robust health capable of
suffering exertions and much labour.
In every respect "a self made man".
I repose in reference to my scientific
capacity less on the attests sentiment
of others here but only on my
own scientific labours of Botany
and Ministry.

Once again my hearty thanks,

very respectfully

Your obedient

Professor Paul Reinsch

Erlangen / Bavaria / Germany
March 5. 1877.

Professor Asa Gray.

Dear Sir,

I have sent to Leipzig for transmission
to America with ^{my} other botanical sendings
for America ^{small} Parcel containing some rare
Phanerogams of the German Flora for you.
I would be glad to see you in the next time
and to pay my respect as I have proposed
to come this year to America. Perhaps it would be
possible, that I could participate as naturalist
on ~~one~~ of the scientific exploring parties
sent out this year. I have proposed my departure
in the next time so that I could come to America
yet before beginning of Spring.

Recommending myself, my dear Sir, to your
benevolence I have the honour to remain
in the mean

very respectfully yours

Dr. P. F. Reichsch

Chicago Ill. June 14. 1877.

Professor H. Gray Cambridge.

My Dear Sir,

You may have received in the mean-
a parcel containing Phaenagames of
the German and Helvetican Flora, which
I had sent yet before my departure
from Germany for transmission to
Smithsonian Institution.

Some years ago you have had the great
kindness to recommend me, if there were given
occasion, for any scientific expedition
as a naturalist. Since March arrived
in America I am staying since that
time in Illinois where I have some
kinsmen and friends from Germany,
but I am returning in the East, where I may
have in every respect more scientific work.
I have made examinations this time

on Diatomaceae and Freshwater Algae of
Lake Michigan and adjacent countries, the
results of which I lay down in a proposed
memoir.

In the first part of „die Jahrbücher für
wissenschaftliche Botanik“ of Brinkmann
of this year did appear a memoir on my
last Observations on the physiological and
~~anatomical~~ biological important Laprolegnaceae,
it contains two new Genera most remarkable and
distinct from the known Genera by their evolution
and fructification.

Recommending myself to you further I remain
with the highest esteem

Very sincerely yours

P. F. Reichsch

Kass ^{at} ~~at~~ ^{Jan. 8 to 9}

Dear Mr. Hosong.

I have received your letter
and in it, before I will send the
silents, please look over the
list herewith enclosed. You will
probably find a few things wanted.

I think I can supply you with
10 specimens of Nais micrida,
is that too many?

If you have no objection, I will
send along with your packages (and
enclosed in it) a package to Prof.
Sargent at the Corporation
Harvard. and send the package
him by the mail as it incurs no
trifling cost in respect to the mail
fare.

Yours to the ...
... te but very cordials
...
Y. Rev. Hon

Julien Reeschoen to Dr. Asa Gray

Dallas, 13 Juin 1877.

Doct. Asa Gray
Harvard College, Cambridge.

Cher Monsieur,

Vous ne sauriez vous imaginer combien vos deux bonnes lettres et liste de noms m'ont fait plaisir; je suis heureux de penser que mes specimens vous plaisent et que ma petite collection a quelque valeur a vos [?] — [?], le qui me flatte beaucoup de la part d'un auteur ~~si~~ célèbre en botanique! J'ai reçu également plusieurs pamphlets pour lesquels je vous prie d'accepter mes très sincères remerciements, et comme vous avez la bonté de me demander si d'autres — du même genre

Dallas. 13 juin - 1877.

Je suis probablement qu'il y a - l'an
prochain que je pourrai faire quelques
excursions lointaines; toutes les plantes que
je vous ai envoyées, ont été collectées dans les
limites du Dallas county; le soin de mes
petits officiers et ma fortune plus que modique
ne m'ayant pas permis d'étendre plus loin
mes investigations.

Dans quelques jours je vous enverrai quelques
petits spécimens de 3 ou 4 espèces que j'ai
récoltées cette année.

Ils attendent de vos nouvelles avec
impatience & sont respectueusement
votre tout dévoué

J. Prevedon.

Doct. Attn Gray.

Harvard College, Cambridge.

Cher Monsieur

Vous ne sauriez vous imaginer combien
vos deux bonnes lettres et liste de noms m'ont
fait plaisir & je suis heureux de penser
que mes spécimens vous plaisent - et que
ma petite collection - quelque volume
- vos yeux, ce qui me flatte beaucoup
de la part d'un auteur si célèbre en
botanique! J'ai reçu également plusieurs
pamphlets pour lesquels je vous prie
d'accepter mes très sincères remerciements,
et comme - vous avez la bonté de me
demander d'autres envois du même genre
me paraissant agréables, je m'en presse de
vous ^{lui} que cela ne paraît ou ne paraît
plus agréable, car vous savez que je manque
des éléments essentiels pour déterminer d'une
manière certaine les espèces que j'ai trouvées ici

non seulement - je serais heureuse de vous
envoyer les specimens que vous pourriez désirer,
mais aussi de directement, telles espèces de
grammes que vous me désigneriez; pour peu
que vous désiriez quelques notes sur certaines
espèces je m'empresserais de vous les fournir
de main, selon vos souhaits.

J'ai examiné avec soin la physiologie - inter-
media, n^o 444. et j'ai vu qu'en effet cette
espèce est positivement vivace (perennans) mes
premiers specimens n'ont été pris dans des marais
qui sèchent en été; les derniers dans des marais où il
y a de l'eau constamment.

n^o 515 Silphium laciniatum, etc. - il me semble
qu'elle pourrait former une espèce bien distincte;
elle croît sur toute la haute prairie, partant de la
racine obtient le suc coloré, la lige me s'étend
jusqu'à au dessus de 2 pieds. la fleur est constamment
X blanche. S. Hall qui l'a vue ici en a été éton-
né, me demande mon opinion à cet égard.
Je lui ai envoyé des graines, et je vous en
enverrai de manière que - faisant exactes les
deux espèces, c'est-à-dire, vous pourriez - voir -

si elles maintiennent leurs différences.

Vous m'avez indiqué le Dat. J. Engolm.
de St-Louis pour certaines familles de plantes;
je vous en renverrai - et si'il y a quelque
autre qui l'ait, pour les graminées et
les Cyperacées, je serais bien aise de les
connaître et je pourrais leur envoyer mes
specimens, si vous m'y engagez.

Il y a longtemps que je me suis occupé de
pays, et quoique je ne sois occupé de
botanique en France, j'ai été obligé, pour
diverses causes d'en négliger l'étude - pendant
bien des années, au lieu, depuis deux ou trois
ans, je m'y suis remis, malgré bien des
circonstances, adieu, cependant j'espère qu'à
l'avenir je pourrais faire mieux encore,
M^r Woodson leur m'encourage, m'a
envoyé quelques ouvrages, du papier, etc.,
et s'efforce de m'en procurer plusieurs
collections de plantes et de graines, pour
en faire un herbier; - tout ce que je permets
de me livrer à cette étude, j'ai toujours
préféré à toute autre, néanmoins la me -

allas, october 28th. 1877.

to send me - more - of your valuable botanical
contributions; in fact, any works from your
pen, that can help me in my studies
will be considered a great boon, to me.
that I will pay from the best of my
ability.

your most obedient
J. Preserby

Doct. A. Gray,
Harvard university. Cambridge
Mass.

Dear Sir,

During your absence, Mr. Watson was
kind enough to send me the list ~~corrected~~ of
my plants, with the exception of Cyperaceae.
I hope your numerous occupations have not
prevent a looking over these little part of
my collection. and in a convenient time I
will rewrite the names of these, I took the
liberty to call your attention again to 2 Dasyglomas
no 303 and 304. also 3 verbes, ~~no~~ no. 315, 316, 317
confounded under the names of arbutus by Mr.
Watson, and that I consider as three very distinct
species. I have also a few other remarks to make
but, ~~at present~~, will postpone them; until I
send you new specimens.

I make from August 2^d to 22^d, a flying
trip to our western frontiers. visiting the
counties of Johnson, Hood, Erath, Comanche,
Brown, Eastland, Stephens, Polk, Grant, Garth
and Carroll; unfortunately, over extraordinary
frost in June and drought of seven weeks

have deluged those regions are but for some
good rains two weeks before, I had found but
a burnt up country; in spite of that, and our
too fast travelling to have time to make a
thorough search of plants, I made up a collection
of nearly 80 kinds new to me, some it is true
are represented by very bad specimens, I can
name a few that I found figured in the
expedition of Red River by Capt. R. Marcy:

Eryngium diffusum, Erythraea beyrichii, Euploea
convolvulacea, Eutania texana, Hoffmanneggianum

The whole collection (that is to say a good specimen
of each species) I will send to you as soon as they
will be ready and when I hear from you again
I have some faint hope that I have discovered
something entirely new, but of course have no
certainty about it. Besides these I have found a
few new plants in Dallas Co. and my friend
Ball, a distinguished naturalist of Dallas, has
brought some curious plants from the south
and south west of Texas, but unfortunately the
latter are generally not well preserved.

I see in list sent by Mr. Watson under the no
519 (which was named in my collection) Budicium

grandiflorum that note: "probably a new millia,
very desirable in bulbs and specimens," I hope it is
true, but still am afraid of some mistake, in
a few days I will send you some bulbs of
that plant. — is Cassia proseri a synonym
of scilla (cassia) esculenta? the wild plant here is
quite different from those received from the
north, under that latter name!

If among the plants brought from west,
I am lucky enough, to have discovered something
new, I will be encouraged to try to organize
another expedition in that very interesting
country; maybe, you can send me a
little word of encouragement about that! to
live on dried buffalo meat, suffer from water
is nothing to me, provided I was sure to go
in a country where hardly a botanist has been
before!

but that is enough for the present, excuse
that scratching and send a good word to you,
most ardent admirer and respectfully.

J. Prevercheron.

P.S. I have not forgot your kind offer

Dallas. Nov. 25th 1877.

To Doct. Asa Gray.

Harvard university, Cambridge.

Dear sir

You will think I am very long
in sending you my collection - the
fact is I am so hard pressed that I have
but a little time every night to look
over the plants, I have about a hundred
ready and the balance - still soon be ^{at} top
I will be able to forward them in a
week or so.

I am perfectly aware that you know
much about Western Texas; and that that
several botanists have explored that region
still I persist to think if such region
would be explored as I have explored the
Dallas country (in this year - I have found
a dozen new species in it!) a good
many new species would be discovered,
of course I could not expect to have
made great discoveries in a single

rapidly made in a country desolated
by an unusual protracted drought &
high water & low land and which I judge
I could find in better season and condition
encourage me greatly to try again.

I ~~cannot~~ find seed of *Idem* now,
if it is too late, I will do it next year.

The writings you was kind enough
to send me were: 1^o botanical contribu-
tions, Dec. 27th. 1876. — 2^o conspectus of
the N. American hydrophyllaceae. —
April 1878. — 3^o notes on the history
of *Helianthus tuberosus*, May 1877. —
4^o characters of some little known or
new genera of plants, May, 1877. —
note, 5^o notice of Darwin on the
effects of cross and self fertilization in
the vegetable kingdom.

Everything you will send me will
be considered a great favor and a great
help; of course I could not pretend to
write a flora of Texas, but will be
very glad to contribute and help

any botanist, who being better posted
and possessing more knowledge, will
undertake such work.

hoping to hear soon from you
I remains

Very truly and respectfully
yours. J. Reventon

Dallas, Jan. 19th. 1878.

Doct. A. Gray.

Harvard University.

Cambridge, Mass.

Dear Sir,

A few days ago, I sent to Rev. Th. Moring, of Boston a collection of Texas plants, and in the same box, the collection of Western plants that I promise you sometime ago; Mr. Moring promises me to take the plants to you, so, the same expense and trouble I sent him in the same box - but in separate packages, I have sent the Texas - & they will reach you in safety. I have already put out one or two specimens of good as I had them - for each species; supposing that most of them are well known of you; but if I ~~was~~ lucky enough to have found something new or little known, I would send more specimens of such plants, supposing you would need them.

I owe you a good many thanks for the precious botanical contributions, that you and Mr. Watson send me, it should prove a great help to me, and since I have sent my collection, I have

already made several good bot. collections, I think
I could not find but one part of the plants
lindeheimeriana (the first part) ^{would} I like very much
to have the other part.

I have seen advertised a great work of
the american flora, illustrated. I like to have
your opinion on such work, for, if it
is as it is represented & probably, would
subscribe for it.

As I should probably ^{thru} have time to make
several botanical excursions, I like to know
from you what part of the Texas has been
the less visited by botanists? the eastern part
I suspect is, may be, less known (botanically speaking)
that much of our western frontiers.

If God allow me the means and time, I will
try to make a collection as complete as possible
of all the plants found within the borders
of Texas. It is, with ~~me~~ ^{us} agreeable a prospect,
that I conclude my letter and say so ever
respectfully and thankfully

yours.

Jas. Reverchon

Dallas. August. 3th 1879.

Dear Sir.

It is with some surprise that I heard you have received no communication from me. I acknowledge in due time the package of fine plants you was kind enough to send me but I must think my note has been lost. I am very sorry of that supposing you have been anxious about the fate of your specimens!

as usual I find your specimens as perfect as I could wish them and it was ~~not~~ with ^{no} little pleasure that I add them to my already large collection, to which they prove to be a very valuable addition.

I had planned this spring several trips or botanical excursions. thus far, I am sorry to say all have failed for many reasons too long to mention nevertheless

the want of a little money was the main cause; on that account - be-
tween time here in Texas.

Supposing I could make something in
collecting specimens for sale - I addressed myself
to Curtis of Florida - who, I believe,
gave me a favorable answer - although
at that amount to not very much it is
sufficient - to encourage me and help in
travelling afterward. for the present I have
only collected in my neighborhood, that is
to say, I have found nothing new, but I
have not ceased - of going out, this, but
at least

for the present - it would be of no use
to start hunting plants. we have such
a terrible dry weather, that I cannot
think that anything can be found
in bloom, with the exception of
some swampy places.

meanwhile, I hope you have better
time at the north, and I am particularly
gratified to learn that you have

made a specialty of the poromphala.
this region, has, thus far, produced to me only
3 species, viz. donchites, posillia, and hyalina.
but I can visit the region of the Sabin
100 miles east of us, rich in swamps. I will
probably discover some more.

I finish that letter in promising you
that nothing will be spared to find the
way to explore our red state and that
I will never forget to send you should
you, to receive something new or new
from me -

I am respectfully &
very truly yours -

J. Revere here.

Dallas, Oct. 10th. 1880.

Prof. A. Gray:
Harvard University.

Dear Sir,

It is a long time you have heard of me, but I have not a very flattering account to give of my botanical campaign. Most of the spring and summer has been employed in collecting in my immediate neighborhood, and all I have collected I am about to send to Mr. Curtis, but all that doesn't satisfy my ambition to find new things and all my plans to go away on regular botanical excursion having failed, I was glad enough late in the season (the 10th of Sept.) to start to the north with ~~friends~~ with a party of land locators and hunters. I was compelled to ride a half wild Indian pony, and considered myself very fortunate to obtain the hospitality of a little corner of the back for a bundle of drying paper and some provisions. The lateness of the season, the protracted drought, and the rapidity of the work gave me but little chance for a rich collection; on the way I see but very little.

in the day of novelty. When we reach the
plains. I was happy enough to secure a well
grown, mostly composite growing, in spite of
dry weather, on rocky bluffs. Fortunately my com-
panion stopped nearly a week near the mouth of
Brooks (by the way, perfectly dry) a few miles, Boylston
Co. then I could find about 25 species I had never
seen before among a very pretty flora. That I cannot
make out exactly in the flora of North America,
the *G. rigida*, being the nearest among the plants
I could make the name are *artemisia filifolia*,
vacutaria nuda, and *lindeleyi*, *sambucus ciliolata*.

But the most of them are composites.
In coming back I saw some very interesting coun-
tries for the botany, but the were travelling with
such velocity that I could not even dream to
go out of the road, and employing a part of the
night, by the campfire, to dry and press my specimens.
We make, in coming home, two hundred miles
in five days; the last day making for my part
over fifty miles, partly riding, partly walking as
my poor little mustang had become quite lame
of hard riding in a rocky country.

In a few days I will send you the result
of that expedition; I would have done it sooner
but I have been very busy in making my
sets for Mrs. Carter.

You will please find enclosed a list
of names to which authority are wanting,
please add authority to each name, and
send it back to me, and also ~~send~~ tell
me what is correct about *gouera argyrantha*
or *argyrantha*, I have never seen that
name in my books.

Hoping to hear from you shortly, I
remain as ever

very truly yours.

J. Reichenow.

Valley Jan. 20th. 1880.

Dear Mr. D. B.

Dear Sir -

Your postal came in time - to remember me
We had agree - last season for an exchange -
I return your list - and I made a separate list
of my birds - amounting to about 288.

I will send you a package - as soon as possible.
That is to say in about a week.

All my attempts to travel have been - nearly all
failed I have made only one or two excursions on the
N. Western frontier in September and collected about
20 species; as soon as Dr. Gray has reported on them
I will send you a list - in order to make
an exchange as equal as possible.

Hoping to hear from you I remain

truly yours, J. Reardon.

Dallas Feb. 16th 1888.

Dear professor:

I thank you very much for
the names you sent me and I was
very proud, indeed, to have a genus bearing
my name! unfortunately the 6 or 7 plants
big and small, are all alike, that is female
plants: seeing at a glance that ^{it} was an interesting
plant, I look very carefully, on all the small
sandy island where I found it, but in vain.
6 or 7 plants was all that I could see. fortunately
I have seed and hope to raise some male
plants from them.

We have here a grindelia squarrosa, var.
grandiflora which is quite different of the no
30. (grindelia squarrosa). the first grows in all
racing bluffs with large heads on short branches
the latter on the contrary grows in rich ^{stony} ~~stony~~
land with small heads on long branches, the
stem is much more divided, and it grows in
in a region where the former is wanting.

was sorry to hear that the old botanist
J. Lindheimer died last fall and as I
have not seen any notice of it in the
botanical papers, I have thought that
may be this fact has not been known
to them.

I hope you will be able to return
my first collection, as most of them are
unique specimens & to be divided with
Prof. Bell. who collected most of them, and
having no corresponding numbers of course.

Prof. Bell is on the Wichita plains again
and will stay a part of this spring and
promised to collect new plants for me, if
some of them you have named or of any
value - ~~value~~ - to you, let me know it, I
will try, to have and send you better
specimens.

For now, I have no idea what I
will do, this year in the botanical way!
Of course, I will do the best I can, the God
is not wanting!
I remain truly yours. J. Reversch.

you will a little mistake about my name that is Golden not Juby

28^h
Daller. May. 1888.

prof. A. Gray.

Dear professor.

I ought to have written you sooner
but have in the busy season for the Belmont
Horticulturist and Dagbladet being a sort of this
tripartite individual. and doing so many things.
it is nothing but natural that I am doing
nothing worth. but to the fact:

I have only two roserachia growing, and these
two are males in full blossom now! you will find
induced beneath a small twig. if you have
not succeeded in growing any I still send you
a whole plant as soon it will stop growing.
keeping the other for myself.

I have also seen fine specimens of plants
of the new astrogales, and have seen some radically
leaves of aster phyllalepis. They hardly differ
from the others, being smaller and better broadness.

a week ago. I have been to Fort Worth, and
I have found some fine specimens of *phlox*
Drummondii (Lef.) *agassizii* *nevis*, *gillardii* *antho-*
don and others. I have also secured several
species of *Scutellaria*. I have *Wrightii* and *Drummondii*
but then you give that latter name in my
herbarium are certainly *perennial*. I have a
annual. that look like it but with very small
flowers.

I have found a few other things that I will
send as soon as convenient, for the present I
have my hands so full that I cannot even
think of it!

am a happy but very cordially yours.

J. Beverton

Dallas June 6th. 1880.

Reverehorn

(Bot. A. Gray.

Dear professor.

Glenn send enclosed a twig of
of Reverehornia bearing males and female,
Hemlock! our plant is decidedly monandrous,
the males appear in clusters in the axils of leaves,
the females are isolated. ~~from my observation~~ ~~that~~
the males possess three or a calyx of 4 divisions and
4 stamens united by pairs or didymous; this last
character, will, it seems to me, make a good
distinction from the genus Phyllanthus to
which it seems closely related.

I hope you will find the ~~specimens~~ ~~included~~
sufficient for establishing the character of the genus,
if not I would send you green ~~specimens~~ ~~as~~
if I know how? or put in alcohol if
preferable?

hoping this note will find you
in good health and fine spirits, I
remain as ever.

Very truly yours.

Julien Reverchon

Rose cottage ... Feb: 4.
1882

Dear professor,

Your kind letter and notes of
my plants are received. many thanks
for your attention and for Mr.
Watson's.

Here is the list of my books on botany

- 1- Synoptical flora of N. America. Gray. vol. 11.
- 2- Index on N. A. Botany. Watson.
- 3 Chapman. southern flora
- 4 Wood's botanical art fluid
- 4 Michaux. flora boreali-americana 2 vol.
- 5 Michaux (fil.) orbis forestier de l'Amérique
du nord.
- 6 Gray's notes in botany. 1 vol. 1878.
- 7 History of Liliaceae and Chenopodiaceae.
- 8 The botanical part of Wheeler's Craton.
600-preliminary survey. 1878.

and numerous contributions to
American botany by yourself. That
you have generously sent to me
My poor Reverchonnia is all
I need, the climate or the soil I thought.

I put them in sand) do not seem
to agree with them.

There no seed of *Mydologium* now.
but I can send the ~~seed~~ tuberos roots
in spring.

I hope to be able to accomplish my
trip to the west; I will try the
Guadalupe mts if possible, hardly say
I should have been there I think!

any practical information now I
can procured will be thankfully received
from you experienced travellers.

Hoping that nothing will prevent
so agreeable an excursion I
remain very truly

Yours.

J. Preschott

P.S. I have forgotten in my books
the great work on N. A. ferns of
East. and Grey's manual of
1856.

calling me back home: so following
the route of the R.R. I have reached
home about a week ago. During that
time, about a month, I have not been
sick. I found ~~over~~ 100 species not
known by me: and a good many
others more or less new, not already
known in all I have prepared about
5000 good specimens. If the weather
has not been against me, I could have
made a much better collection. The
neighborhood of Fort Collins, of
Colorado City, of Sweet Water are
very good localities where quantity of
interesting plants grow. I think I
have collected 8 astragalus, 4 pentstemon
2 or three ironicoria, 2 or 3 gilia, etc.

Most I sent the result of my
expedition right now, so must I
wait until the fall?

I hope this will find you in good health
and spirits. Truly yours, J. Revere

Missouri, it is the only two to be found,
I ever met in that country. (in 27
years!)

Rose cottage, near Dallas, Aug. 15th.

(Dr. J. Gray,

Dear professor:

I have only received your letter,
last and forgot cord for which many
thanks; and what you say on the
Heliospermum filifolium, I am a little puzzled.
The local form, under that name, is decid-
u- mostly biennial, though often perennial,
but all the stems grow from a main root,
the plant from the west seems a different
thing: it is perennial, with many slender, creeping
roots, on which several stems grow; the plant
is less leafy with long slender peduncles, a few
somewhat different etc. I have found it only
West of Brazos.

Now, I take the liberty to call your attention
of some specimens of my collection
68. Heliospermum unifolium, a variety with black

Dear.

72 gaillardia lanceolata, - a good variety,
with purple rays.

74 parthenium hysterioides, - then a
mistake. - my plant is dwarf, perennid,
with some 2-lobed leaves, covered underneath
in full flower - in ^{spring} in white parts.

76 coreopsis tinctoria, - seems strange that I
have found the plant growing on sandy
soil, and dry sandstone, everywhere in
the neighborhood of the Brazos.

I hope, you or Mr. Watson would have
time to look over again my astegaster,
37 and 38 are two different species, quite
distinct from what I have in my herbarium
with the name Leptocarpus. - 42 seems to
differ of the true reverschoni, by its more
numerous and straight pods. 41, 45 and
46 had no name at all. I like to
know now what 36 is, is it a new peristrophe
or not? No 61 is a galeum that I could not
make the name, please write it ^{over} again.

No 126 is a curious pyrolaginaceae, that I
am sorry you cannot make out, my
specimens are not complete.

But, as you told me, you are
very busy and hard at work on
Conferites, it would be very unreasonable
to me, to expect you ~~can~~ give
much attention to my collection.

We have, an extraordinary season -
for Texas, it rains every week. The
vegetation is splendid. unfortunately I
had too much to do outside the botany,
though I contemplate to make a few
excursions this fall.

Very truly yours.

J. Presuhn.

P.S. I heard of Dr. Howard occasion-
ally, he is at Lehigh now, now. I had the
pleasure of his visit this summer. I
wrote also, that of. Lillerman.

Lexas

Rose cottage. (N. Dallas.)

Oct. 12th. 1882.

Dr. A. Gray

Dear professor,

I had in due time received
your kind letter of Sept. 14th.

By mail to-day a little package
in which you will find one
specimen of the perennial partheno-
nium; its habitat is the upper
concho; and I have found it very
scarce (I had but two other specimens).

You will find also a specimen
of another composite that I
had forgotten to put in the first
package. it is annual. it occurs
generally in rich bottom lands along
the streams. is abundant on the Concho
and upper Colorado.

If you were not so busy

X I would call your attention
on no 92 of my collection, it
is called gilia longiflora var.
I am satisfied it is a distinct
species. a diffused, branching annual,
with very small flowers.

But I will not encroach on
your valuable time; I hope you
are getting along very well
with your great work.
Very respectfully Yours,

J. Reventon

Albany Feb. 21st 1855

Dear Sirs

I have received an answer
from Dr Gray dated Jan
Antonio; very sorry that I
could not see him.

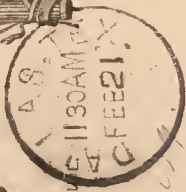
Is Dr Vosey no more
in the Dept of Agriculture
or Colonel in that case
who fill his place?

How could I get letters
of recommendation to the
commandants of the
military posts of Mexican
Frontiers and don't you
think that would be a
good thing? respectfully
and in haste
L. Preverance

POSTAL CARD.

Letter sent

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE



*Serve no one -
Harvard College*

Cambridge Mass.

Rose Valley. May 28th. 1887

Am J. D. A. Gray

(Dear professor,

We are just back of our
trip in the S. West of Texas.
We could not go as far as we
had projected to. nevertheless we
have explored a very interesting country
the whole basin of Llano river and
most of the mountainous region
that form the headwaters of Guadalupe
river, Rio Hondo, Rio Concho
a region that has been (if I am
well informed) neglected by botanists.
in proof of that I will expose the
following fact: Lindheimer some
forty years ago found in the neighborhood
of Fredericksburg a new form in
the Ulexis americana it is a re-
bution, has collected it in Texas.

[illegible]

to give up the march on the Del Norte, (only 75 miles distant), and I tell you I give it up very reluctantly, it was too late in the season - my horse and most of the horses were gone, it took us another month to come home. My best collection has been made in the valley of the Llano and in Tabular Canon, this late place is a true paradise for botanists, I got very much - we could not go to the Canon of Grijó and the Mueyes. I am satisfied I would have added very much to my collection. If the botanists encourage me sufficiently I will try again, in starting early and going by the most direct road. It ^{I would have difficulty to} hope for a thorough exploration of the Mueyes, ^{and} Devil's side, a very interesting country. I assure you! I will visit my collection directly and send it to you, if you had time to

look at it. I will send the grasses to
Dr. J. Vasey, and the bryophytes to (send)
to (Davenport):

Hoping to hear from you—
favorably, remain, as ever
Very truly

Yours,

(J. Davenport)

Rose cottage Dec. 31st. 1875

Dear Mr. Watson.

I send you by mail, a little package
of specimens for examination.

366. has been called apium prope

but it is quite a different thing.

the true prope, found on the plains
by moss. is a larger plant with mucate
seeds. no 366. grow in damp places and
bloom quite early. 2A. Butler's

1554 this I thought first quite different

of Lomelos chalcatus. the flowers seem
smaller and the leaves more regularly
canineform. it grows about the desert
springs and on damp rocks, when there
is no salt at all.

242 astragalus nuttalli

1368 - has received the same name, though
it seems a different thing = v. canescens

241 a. leptocaulis. = a. Nuttalli

1637 confounded with. Leptocaulis! quite
Different—

1282 look like a. mollissimus! but
less woolly, and flower smaller, and
dark violet colour. — occurs at
Sweet water (Molan co.).

I have others astragalus, but the
specimens are very imperfect. so it is
difficult to determine them.

I like especially to have the names
of. no. 1368 and 1637, as I put them
in my distribution of this year.

Hoping to hear soon from you
I wish a very happy new year.

Very truly yours.

J. Prentiss.

I have been thinking of you
very much lately, and wondering
how you are getting on. I hope
you are well and happy. I have
been very busy lately, but I
will try to write to you more
often. I am sure you will
understand.

I am sure you will
understand. I am sure you
will understand. I am sure
you will understand. I am
sure you will understand.

Reverence

I have the pleasure to
acknowledge the receipt of
your letter of the 10th inst.
and in reply to inform you
that the same has been
forwarded to the proper
authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. H. [Signature]

- 80)
- 81)
- 82)
- 83)
- 84)
- 85)
- 86)
- 87)
- 88)
- 89)
- 90)
- 91)
- 92)
- 93)
- 94)
- 95)
- 96)
- 97)
- 98)
- 99)
- 100)

our prettiest wild flowers, but
I was afraid they would never
reach you in good condition.

Yours. in haste.
J. Reveschon.

Romeo, Tex.

June 8th. 1891.

Prof. C. J. Sargent.

Dear Sir.

I bought from Peter
Henderson, this year - a bulb of
tigridia pringlei and a bulb of
tigridia buccifera. both described
in the garden as new plants
discovered by Mr. Pringle in
Mexico. The tigridia ^{pringlei} did not grow.
but the t. buccifera grew and
has already given 4 flowers with
several more to come; but Mr. J.
was a little surprised to find
in it an old acquaintance a
~~flor~~ native of Texas, that has
been distributed some seven or
eight years ago. in Curtis' florida,
the specimens having been prepared

collected and prepared by me
in this very county of Dallas,
the specimens sent to Harvard
University for identification. One
named Eustylis purpurea
(that must be by S. Watson);
the plant is ~~only~~ ^{was only found}
by me in a sandy wood in the
S. East corner of this county.
and then near Alvarado in
Johnson Co. prof. J. Bell, brought
it some ten or twelve years
ago from the neighborhood
of Austin.

I have found out what Eustylis
purpurea is, but I am
very positive that the ~~real~~
plant collected by me and
distributed by Dr. Curtis under
that name, is the same as
the one described in your
paper, and sold by P. Henderson

as Tegindia buxifera.

We have here another
plant, near relative to the
one in question. the Nemas-
tylis geminiflora. The blossom
that appears in April. or
not quite so large, one of the
the prettiest blue (some or white)
it is a beauty, and it is a
wonder that it has not been
advertised in catalogue. the
bulb has a sweet taste, and
was eaten ^{now} by the people in
the beginning of the colonisation
when they were very plentiful.
under the name of chestnut oil-
grease nut. the hogs have pretty
near eradicated them from
the rich black land where they
use to grow in abundance.

I would have sent
fresh specimen of some of

Dear Dr. Gray.

Your note containing the astonishing news concerning the new Schwinitzia was received on Saturday. It was indeed very astonishing to me, as I had no idea that my flower was new as well as rare. You see I have never seen any Schwinitzia but this one, and although I have distributed the dried specimens at intervals during some years past, I do not ^{know} that any one thus receiving it has questioned the species. One eminent botanist, who had had no specimens, indeed doubted that I had a Schwinitzia, as he was dubious as to whether I had sufficient botanical knowledge to determine if my plant was truly a Schwinitzia - or something else!

One pleasant day in Oct. 1874, my sister Nellie, then ~~two~~ years old was playing

picnic with her brothers and sisters. They had gone out riding with Mother, and stopped about a mile north of the town to explore for bright leaves,^{and} pretty ~~wood~~ and to have a good play in the woods. From earliest childhood we had been trained to see the beautiful and wonderful things which God constantly shows in natural objects to those whose eyes can see them, and we were taught to bring them to our parents for their explanation, or enjoyment with us. With me, this training early developed an active love for botanical pursuits, and the children were accustomed to bring me flowers to study. So when they returned from their ride that October day, Mother, in great glee, brought me about half-a-dozen specimens of this pretty new flower that Nellie's bright-eyes had spied, while she was scrambling around in and out of the bushes. I analyzed it, and was delighted to find that as I supposed, it was

the Schmunitzia odorata. However, I could not trust to my slight knowledge of botany, and there was no one in town who had even as much knowledge as I; so I immediately packed a few in a round wooden match-box, and mailed them to my valued friend, Mr. H. D. Keeler of Jacksonville, who was always so willing to aid me when I sent my ignorant questions. His answer soon came.

"The match-box contained as I presume you surmised Schmunitzia odorata. I had just answered an inquiry as to whether it was not a fall-bloomer here, by saying it was not found within the state."

Alas! poor Florida! she suffered a great loss when Death took Mr. Keeler from us. He was such a thorough, careful student, so enthusiastic and earnest in his work, and so ready to help others. I never realized how much his thoughtful assistance had been to me until it could be mine no longer.

Before receiving Mr. Keeler's reply, I had gone to search for more specimens of the precious plant. Its habitat was in a dense oak scrub or low thicket, where ~~low~~ bushes had overgrown a deserted plantation. In olden time the ground had been drained by long, deep ditches, and on the banks of one of these, where the shade and constant dampness kept a bright-green moss carpet, Nellie found the first *Schmunitzias*. I searched up and down this ditch, and made little excursions on each side, forcing my way through the bushes and tangled *Smilax* briers, which clutched my hat, hair and clothes, tripped me up and ~~threw~~ me down, and seemed determined to do all in their power to prevent my finding the hidden treasure. A pleasant letter from Rev. Thos. Morong recently, after telling me that he has been searching for ten years for that rare plant, *S. odorata*, says

"the original station of the plant is, I think, near Wytheville, Virginia, and the story goes that Schweinitz for whom it is named, while botanizing in the woods fell at full length over a root which caught his foot, and tumbled right into a bed of the little plant. Of course he could not help seeing what was so near his eyes, and so it came about that his unlucky tumble was quite a piece of good luck."

I can appreciate that fall! If the founder of the genus had anything like the trouble in finding his plant, that I had in finding mine, he deserved to find something rare! After scratching around a good while - I mean after being scratched by those miserable bushes, at last I too came to "a bed of the little plant," and eagerly gathered all there were, some twenty or thirty. These were distributed among those to whom I was then sending herbarium specimens.

Once or twice since, as the reward of diligent and prolonged search, I have found a few specimens in the same locality.

In the fall of '83, I spoke ~~to~~ of the *Schweinitzia* to a friend living a mile or two from town, and asked him to look for it, as I thought there might be good places for it near his home. We were out there one day searching for *Monotropa uniflora*, when suddenly I espied a *Schweinitzia*, and sprang forward with a little scream of delight. Careful hunting discovered a few more, and my friend found more in the following weeks. Freshly-blooming plants have been collected from the middle of October to the middle of ~~December~~. The fresh plants this year, from which you have formed your description, are from this second locality. I am so pleased that I know of this station as the first one has been cleared off, and I fear that the *Schweinitzia*

will never flourish there again.

I thank you heartily, Dr. Gray, for the honor you have conferred upon me in dedicating the species to me, and I am glad that as the name stands it enables me to share the honor with her, who, its real discoverer, will never know here of the pleasure she bestowed upon us, since seven years ago a loving Saviour took to the better world our bright, loved home-flower, my sister Nellie.

Mary C. Reynolds.

December, 1874.

Reynolds

St. Augustine, Fla.

Dec. 31st 1883

Dear Friend:

I venture to write to you for a little help in suggesting, and must ask you to excuse me if I take too much of your valuable time.

I am about to begin teaching a class in Botany, and wish to purchase a number of copies of the "Field, Forest & Garden" Botanies. I choose this, rather than the beloved "Manual & Lessons," (which I studied in dear old Mt. Holyoke Seminary years ago), because it seems to me that the "Lessons" are the only lessons to be used; but the plants here are not completely embraced in either of your books, so that a pupil somewhat advanced would need to use "Chapman's Southern Flora" for the analysis of plants.

If I am not too presumptuous, what I would like to ask is, loan you, without inconvenience, put me in the way as a teacher of purchasing six copies, or more, at wholesale rates, with the privilege of paying for the same six weeks after delivery? Or upon part payment in advance? We are obliged to depend in great measure upon the winter season for our money-making; and the winter-visitors are only beginning to come, so that money is very scarce at present. A few weeks later I could pay for the books nicely, but just now it is very inconvenient, and it is necessary to begin teaching at once. We should not be so cramped for money, were it not for the failure, through speculation, of a friend who held a trust fund for us. We are told that the principal is safe, but for two

years we have had no interest money, and consequently have had a pretty hard struggle. If you could help me in this way, it would be a great favor and one which would be fully appreciated.

Yr. Your sincere friend
Mary E. Reynolds.



SMITHSONIAN INSTITUTION.

Washington D.C.

Dear Sir, I am happy to inform

you that Congress has passed a bill - resolution electing Doctor Hutton, Cooper and yourself as regents of this institution for another term of six years. General Meigs was elected to succeed General Sherman who was ineligible, not being a citizen of Washington.

The annual meeting of the Board will be held on the 13th January.

Yours truly,
L. A. Hutton

James Smith

Smithsonian Institution

SPENCER F. BAIRD, Secretary,
S. P. LANGLEY, Assistant Secretary,
in charge of Exchanges, Publications and Library
G. BROWN GOODE, Assistant Secretary
in charge of U. S. National Museum.

Washington, D. C., Nov 11 1887

Dear Dr Gray

We are ready at any
time to print the edition of your
"Flora", for our Miscellaneous Collections,
and hope that we can make arrangements
to put it to press very soon.

By direction of the Acting Secretary,

Yours truly

Wm. H. Rhee

Chief Clerk S. I.

Dr Asa Gray
Cambridge.
Mass.

Memo - Riano

Bayrillo 4.

Dec 1. 1880.

Dear Dr. Gray.

Your charming little
letter duly reached me.
I gave Felipe Guisasaola
your message, and we
were all of us only
too glad that this
little circumstance
gave us ~~hours~~ an
opportunity of hearing

of you both.

I am very glad that Spain has treated you kindly. I have so warm a regard for your country men & women that it makes me very happy to know that ^{they} are not displeased on the whole with my country.

Pray remember me to them and when you see the dear Lovells give them our warmest love.

All here join with me in kindest regards.

Remember us among your friends on this side of the water & with every thing amiable to your wife.

When you write to your nice American lady friends

I am, truly yours
Emilia J. de Rivas

Dr Asa Gray
New York

Rich O
London Aug^t 29. 1837

Dear Sir

I send by the Sampson all the books ordered by you that could be had in London, and have ordered another parcel to be sent from Paris via Havre by the packet of the 1st - I have sent to Hamburg for some more which will probably go by the Liverpool Packet of Sept^r. 8th.

No such work is known as Gaudichaud. Veg. Organography & physiol. His only work is the Botanical part of Freycinet's voyage. - Nor is there a "Flore du Dictionnaire des Sciences Naturelles (quy. medicale)

The account will be sent to Mess^{rs}. Goodhue & Co to whose care the parcels are directed, and to whom you will please to pay the amount. - With my best wishes for the success of the expedition in which you are engaged I remain very sincerely yours

(O Rich)

P.S. ~~I send as before a parcel to Mr. Poepig~~
Aug. 31. I am just informed that a parcel has been sent to Havre, which you will no doubt receive by the Havre packet. After my parcel was sent off, I received 3 boxes which were waiting of Poeppig: and which now go separately. - At the last moment I am informed that the Wollaston doubled 40 inch (there is no higher power) has been spoilt in the fitting, and cannot be sent now.

Trinity College, Oxford.

Nov. 9.

Dear Sir,

I have seen it stated in the English Journal of Botany that you identified a specimen of Aster from this neighbourhood as A. paniculatus. May I ask you two questions about this?

(1) Where can I see a printed account of A. paniculatus. The name does not occur in your manual or in any other book that I have seen. Have you been revising the Asters since the publication of your manual? If so, where were the results published?

(2) The Asters growing here are ~~of~~ not of one, but of two or possibly three species. I have identified with some doubt A. salignus x A. brevis. The blossom is now over, killed by our floods: but, if dried specimens will enable you to identify what we have, shall I send you some next autumn?

With apologies for troubling you,

I am sincerely yours

Franklin T. Richards.

Richardson

northern cactus, which
grows nearly to the 50th parallel
and learn from Sir William
Hooker that it is the
Opuntia glomerata.

With kind regards to
Mrs Gray, if she be with
you, I remain dear Sir
faithfully yours
John Richardson

Haslar Hospital, Gosport
2 Nov. 1850

My dear Sir

Having just learnt
from Sir William Hooker that
you are in England, I write
to give you my address and
to say that I hope you will
not pass near my residence
without letting me have the
pleasure of your company
for as many days as you
can spare. I have a bed
room at your service. Sir
William does not say
whether Mrs Gray be with
you, but if she has crossed
the Atlantic my wife

would be glad to make her
acquaintance. Lady
Richards is at present
in Westmoreland but I
expect her back in
about a fortnight -

Having traced the following
trees to their northern limits
I shall be thankful to know
what works I should consult
for their ^{most} southern habitats -

Acer saccharinum -

rubrum
pennsylvanicum
Aegilops fraxinifolium

Prunus americana -

Fraxinus americana

Quercus obtusiloba

" *rubra*

Ulmus americana & *fulva*

Populus tremuloides

" *balsamifera*
" *negunda*

Abies canadensis

" *balsamea*

" *alba*

" *nigra*

Pinus strobus

" *resinosa*

" *banksiana*

Larix americana

Juniperus communis

" *virginiana* the
prostrate variety only -

I suppose that the Cotton
wood seen by Col. Incey
on the elevated slopes of the
Arkansas and Gila is
the *P. monilifera*; do you
know where that tree
comes so far north as to
supercede the *P. balsamifera*.

I lately received many
specimens of the most

your accident at the
time of its occurrence
and I am very glad to
learn that you are
now recovering so well.

With kind regards to
Miss Gray I remain
faithfully yours

John Richardson

Will you kindly give
my remembrances to
Sir William & Lady Hooker,
& say to him that the
Amphitrite, Capt. Frederick
will sail some from this
port for Botany Bay & Thwaites.

Gosport

Harley Hospital

30 Dec. 1850

My Dear Dr Gray

When I went to
America in 1848 I packed
up the few specimens
of plants collected on my
former journey so securely
that I have not been able
to find them, although I
instituted a fresh search
to day on receiving your
letter - Even had I found
them I question much
if I could have known

any light on the species
you are investigating,
as I had only one series
of specimens and did
not retain them all.

I passed over the place
where Th. clavatum
was found in going and
returning, ^{in 1848-9} but not
having my attention
directed to it, I having
no copy of the N. Amer. Bot.
with me I did not collect
specimens. Indeed though
I often looked at the
thalictra which are very
abundant from Mackenzie

to Canada - all the plants
seemed from my cursory
examination to belong
to one variable species -
or if there are more
species than one, they
run into each other
like the roses. The dilatation
of the filaments of the
stamens is variable
on the same plant -
and the foliage varies
at different periods
of growth -

Dr Booth told me of

Medical Department,

Tulane University of Louisiana,

New Orleans, March 7. 1888

Wm. Lewis & Watson

Dear Sir

Among some palm
seed which I recently received from my me-
dia friend Mr Wm. S. Potts, ^{Bd} Bates, Ind.
are three packages marked respectively
Pacaya, Capuce & Capucilla. Will you
be kind enough if in your power, to desig-
nate the botanical names. Mr Wm. Smith
of the Botanic Garden, Washington, D.C.,
who is a great lover of palms & with whom
I always divide what I receive in the
way of seed, is labouring under the same
difficulty in regard to the above names -
but with your assistance I will certainly
solve.

in the classification of the *Campech*
maia (*Manicaria* ^(Plumieri) sp. n. I have for several
years attempted to grow it in my stove, but
it is killed by the Pests and has unrea-
sably lost the plants the second year. Mr Smith
has I believe been quite as unsuccessful. Two
years ago I sent about a peck of the seed to
L. Linden, Ghent, who wrote to me about a year
ago that he there had 18 or 20 healthy young plants
but could not designate the specific name. He
had sent a few of the seed to Wendl., who re-
ported that he could not give an opinion on
these alone, but was strongly inclined to the
belief that it is undescribed species.

I discovered myself in the neighborhood of
Virginia a beautiful entire-lobed *Chamaedorea*
with entire leaves which you doubtless also ex-
amined, and I will be obliged to you to let me
know whether it is *C. Ernesti* Augustin. From its
general phytognomy I was disposed to consider it
a different species. I had two plants from seed, one
of which I sent to the Botanic Gardens, Munich. The
hand-drawn in its berries
manuscript of *Ernesti* Aug. *Chamaedorea* *Ernesti* Aug.

SMITHSONIAN INSTITUTION,

WASHINGTON, D. C., August 25, 1880.

My dear Mr. Watson:

You may be aware of the fact which I am about to announce, but it being possible you may not be, I venture to inform you that the long moss (Tillandsia usneoides) is not uncommon on the peninsula, or "Eastern Shore", of Virginia, as far north as about the northern boundary of Northampton County. At two or more places along the road from Cherrystone to the Cobb's Island landing (on the opposite side) it may be seen from the road, hanging to the trunks of the large pines (Pinus mitis). I noticed one "streamer" about 12 feet long wreath-
about the trunk of a large pine, and also a considerable quantity in

among the branches of a good-sized
holly overhanging the road. I was in-
formed by a gentleman born on the
peninsula, and familiar with every
part of it, that it is common, in
certain localities, north nearly or quite
to the northern boundary of the county,
but does not occur, so far as he
knows, in any part of the next
county. With kind regards,

Yours very truly
Robert Ridgway.)

Sereno Watson, Esq,
Cambridge, Mass.

P.S. - When do you expect Part ii.
of your "Bibliographical Index" will
be published? - RR.

UNITED STATES NATIONAL MUSEUM

UNDER DIRECTION OF

THE SMITHSONIAN INSTITUTION



WASHINGTON, August 11, 1883.

Dear Mr. Watson :

I have just been reading in the last number of the Journal of Forestry your very interesting article on the Poplar famif. One remark contained therein, has caused me some surprise, however, viz., the statement that "the Poplars are still larger trees" (i.e., larger than the Cottonwoods). Now, I had always been under the impression that ~~the~~ P. monilifera (or "P. angulata") was much the largest species of the genus. I have before me as I write a photograph taken near Mt Carmel, Illinois, which shows a group of four Cottonwood trees, three of which are 6 feet in diameter, and the largest 8 feet through, above the swell at the roots; neither tree has a branch below 70 feet from the ground. The total height of these trees is much over 100 feet —

probably 150 feet or more, as felled trees of this species have been measured that were 130 to 170 feet long. Do balsamifera, angustifolia, or trichocarpa ever approach this size? In the Mississippi Valley the Cottonwood is well known to be one of the very largest trees, often rivalling the Tulip Tree in size. P. heterophylla is a very much smaller species. In May of this year I measured five recently felled trees of this species in a locality where it grew very abundantly and attained as large a size as any I have seen. The measurements were as follows:—Diameter across top of stump $1\frac{1}{2}$ –2 ft. (average 1.61); length of bare trunk, $28\frac{1}{2}$ –57 (average 45); total length 72–78 (average 75.70). It will thus be seen that no comparison can be made between P. heterophylla and fully developed P. monilifera, so far as size is concerned. The only other Populus growing in the same part of the country is an aspen

which in my list of the trees of the Lower Natchez I have called P. tremuloides, but which may be P. grandidentata (I enclose a leaf, and would like your opinion). The latter tree is far smaller than P. heterophylla—in fact the very largest I saw appeared as slender "saplings" in comparison with the ~~a~~ timber among which they were growing. The largest were about 70 feet high, but only a little more than a foot in diameter.

I shall send soon to the ^{or Botanical Gazette} Forsyth Journal, some corrections and additions to my list, the result of two months sojourn this spring.

Very truly Yours

Robert Ridgway.

UNITED STATES NATIONAL MUSEUM

UNDER DIRECTION OF

THE SMITHSONIAN INSTITUTION

WASHINGTON, August 16, 1883.

Dear Mr Watson:

Many thanks for your kind answer to my letter. I am glad to find the species is P. grandidentata, as I thought the tree looked quite different from tremuloides as I used to see it in the East Humboldt and Wahsatch Mts. I have lately been reading in Prince Maximilian von Wied's Reise in das innere Nord-Amerika (Coblenz, 1839), his interesting botanical notes on the vicinity of New Harmony, Indiana (or 20 miles below Mt Carmel, on the Wabash), where he resided one winter, in the guest of DeCœur, and Say, at that time resident there. In a list of 58 kinds of trees which he identified as growing in the vicinity of New Harmony (see Chapter 8/), are included Juglans ~~also~~ myristicæformis and J. aquatica, and Acer striatum. Do you

think that he could have been mistaken regarding
these species; which are out of their supposed range?
Or do you think that in this region, where
so many northern and southern forms intermingle,
that they might really occur? As nearly a parallel
case, I ~~was~~ would cite Populus grandidentata and
Amelanchier canadensis growing upon the same ground
with Quercus michauxi, Q. lyrata, ~~and~~ Catalpa speciosa,
Carya olivæformis, and other southern trees. On my father's
farm, in Knox Co., Indiana, I counted this last Spring on
22 acres of woodland which had all been cut over,
or in fact about half cleared, 44 species of trees, or two
distinct species for each separate acre! while by extending
the area to 75 acres, 55 species were counted.

Very truly yours

Robert Ridgway.

Washington
August 21, 1883.

Dear Mr. Watson.

Prince Maximilian gives the following hickories in his list:

15. Pig-nut Hickory (*J. porcina*).
16. Bitternut (*J. amara*).
17. Pekannut Hickory (*J. olivaeformis*).
18. Mockernut " (*J. tomentosa*).
19. Shellbark " (*J. squamosa*).
20. Water Bitternut (*J. aquatica*).
21. Nutmeg Hickory (*J. miristicæformis*).
22. Thick Shellbark " (*J. laciniosa*).

As, with the single exception of "28. Moose Wood (*Acer stratum*)", all the other trees in his list are certainly found there, I have thought that possibly the two hickories to which I have referred (nos. 20 and 21) might also possibly occur there. He appears to have been

a very careful observer, and was certainly a good naturalist, though botany was not his specialty. I would in this connection suggest that the genus Carya would be an excellent subject for a monograph by some competent botanist. The oaks, thanks to Dr. Englemann's investigations, are now pretty well elucidated, and the hickories might follow. Both Dr. Schneck and myself have had much more trouble with the latter than the former, and have found many trees that puzzled us.

I have no knowledge of Mr King's whereabouts, having quite lost track of him.

Very truly yours

Robert Ridgway.

U. S. Department of Agriculture.

DIVISION OF ENTOMOLOGY,

Washington, D. C., May 5th, 1891.

Prof. Sereno Watson,

Botanical Garden,

Cambridge, Mass.

My dear Sir:

I was much pleased to receive, this morning, your favor of the 30th ultimo, with enclosures, the more pleased because I had read at the last meeting of the Washington Entomological Society an article on the determination of the food-plant of Carpocapsa saltitans, of which I send you a copy enclosed. Your specimens enable me now to speak with certainty of the species bred from the bi-coccos form, which, by the way, is marked bilocularis in the herbarium here. I presume it is the same as what you call bi-capsularis. You will notice that I had already arrived at the conclusion that C. saltitans affects several species of the genus, if not different genera. In this connection I would like to ask you whether you are familiar with the meaning of Colliguaja. You will see, upon reading over my article, why I ask the question. I cannot find anyone here who can give me an explanation, as it seems to be a Mexican or native term and probably has reference to some common attribute of the Euphorbiaceae,

or those plants which the Indians use to poison their arrows. The moths you enclose from the capsules of bi-capsularis are somewhat smaller than Carpocapsa saltitans, and belong, in fact, to a different genus. So far as I can now make out, they are an undescribed species of Grapholitha, the larvae of which commonly infest various seeds. I shall be very much indebted to you if you will in any way revise or add to the synopsis which I quote from Mr. Rose, as you are more familiar with the species and generic characters than he probably is. So far as I know each carpel in almost all Euphorbiaceous plants contains one seed, and the single seed which I have seen from S. palmeri was dark and very small compared with the size of the carpel, while in bicapsularis the seed is lighter in color and occupies the entire cavity of the carpel. Now I have been very much puzzled over Dr. Barnes' language, as to each pod containing from 3 to 5 seeds, and particularly puzzled by the fact that the larva of Carpocapsa saltitans is much too large to have nourished on a single seed of the size which characterise S. palmeri. Can you throw any light on this phase of the subject?

What you write me of your experience with the figs in Mexico interests me intensely. I have for some time been giving attention to the question of caprification in this country, and have a number of interesting data accumulated. I have also a

number of the Chalcids which affect the wild fig in Florida. Your specimens, so far as they can be obtained from the dried galls, differ in every case specifically from those found in Florida. I found four different species in your fig, viz:-

- 1, Blastophaga ~~♂~~ apparently congeneric with the species from southern Florida but specifically distinct.
- 2, Another wingless form, generically distinct from No. 1.
- 3, A winged form ~~♀~~ belonging either to No.1 or No.2.
- 4, A Chalcid parasite, also distinct from the species found in Florida.

I do not quite understand what you mean by the "gall form of the pistillate flower". Do you have reference to a true fruit? The subject of the insects associated with the caprification of the fig is a very interesting one, and has been much written upon by European authors, and there are a whole number of curious forms associated in this work. So far as I have examined the specimens none of our American forms are specifically identical with those occurring in Europe, though several of them are referable to the same genera.

Again thanking you for the specimens, and for the interesting information, believe me,

Yours sincerely,

C. V. Riley.

U. S. Department of Agriculture.

DIVISION OF ENTOMOLOGY,

Washington, D. C., May 8th, 1891.

Professor Sereno Watson,

Botanic Garden,

Cambridge, Mass.

My dear Sir:-

I have just received your kind favor of the 6th instant and thank you for your long and courteous letter and for the corrections in the copy of MSS which I sent you. I am very glad to have the explanation in reference to the fig flowers.

Yes, I am familiar with the two works you refer to, of Solms-Laubach and of Mr. King. If you have occasion to refer to the little Tortricid infesting bilocularis you may refer to it as Grapholitha sebastianiae, as I will so describe it.

Yours very truly,

C. V. Riley.

